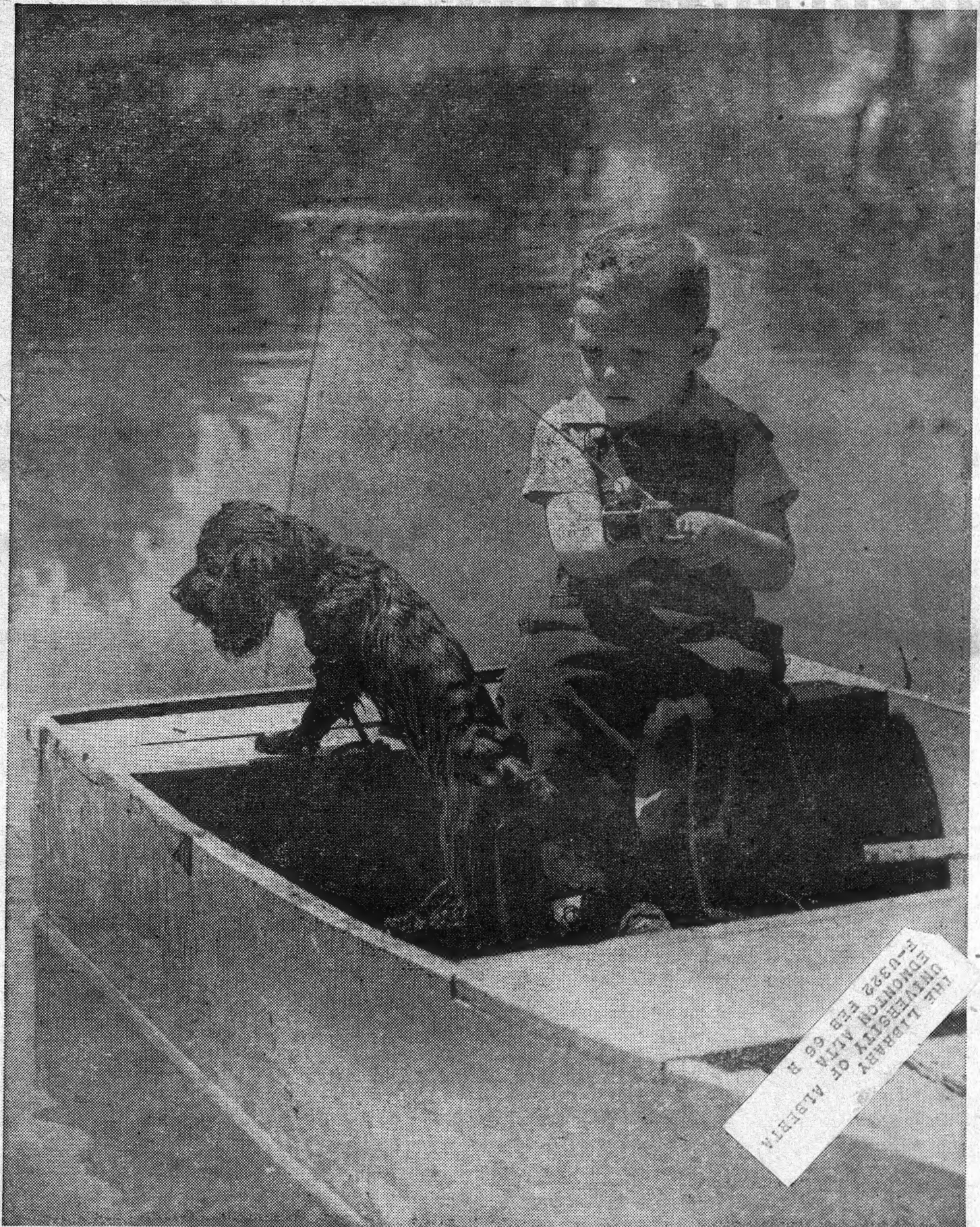


*✓ Ag.*

# Farm and Ranch #6 June, 1951 REVIEW



BARD  
S  
560  
F225  
v.47:  
no.6  
1951

THE LIBRARY OF ALBERTA  
EDMONTON ALTA R  
F-0322 FEB 66 R



# Spirits Soar!

## REXOLEUM RUGS

DE LUXE QUALITY

Up go your spirits when you cover any floor...  
every floor...with Rexoleum!



Rexoleum colours are so gay, so sparkling. They give you a lift just to look at them... They make you the envy of your neighbours who say, "Your house is so bright!"

And you find life more zestful, for the high enamel surface of Rexoleum is so easy to keep sparkling.

It's easy on the pocketbook, too — moderately priced — and it wears like iron... Make a date with yourself to drop in at your dealer's and look over the wonderful new patterns and colour combinations next time you're in town.

In Latin, **REX** means **KING**...

In any language, **REXOLEUM** means **KING QUALITY**.



Look for the Rexoleum de luxe seal on the face of the goods.

A product of  
**DOMINION OILCLOTH & LINOLEUM CO. LIMITED • MONTREAL**

UNIVERSITY LIBRARY  
UNIVERSITY OF ALBERTA



\*\*\*\*\*

Only 30 inches wide!  
Big-range features  
for small kitchens!

# FRIGIDAIRE

"Thrifty-30"

## ELECTRIC RANGE



Model RO-35  
**\$345.75**  
Model DO-30  
without clock  
master, \$311.75

Full-width oven will roast a 35 lb. turkey! Cook-Master Oven Clock Control cooks oven meal automatically while you're away. Utensil Drawer. Radiantube Surface Units.

### SEE IT NOW

On Sale Now at Your  
Local Frigidaire Dealer  
**ALBERTA DISTRIBUTORS**  
**BRUCE ROBINSON**  
**ELECTRIC LTD.**  
Calgary—Edmonton—Lethbridge  
\*\*\*\*\*



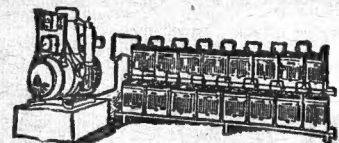
## REPLACEABLE PLOWSHARE EDGES

The renewable, self-sharpening cutting edge that plows better, costs less and saves time. No need to sharpen shares - - slip a SILVER STREAK edge on or off in a matter of seconds.

- Easy to install in the field.
- No bolts or welding.
- Fits all standard shares—12", 14", 16"
- Can't loosen in rough ground or when plow is backed up.
- Especially ideal for hard and abrasive soils.

If interested in saving plowing time and money, clip and mail ad.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Mail direct to  
**NANCE CO. LTD.**  
DISTRIBUTOR — RED DEER, ALTA.

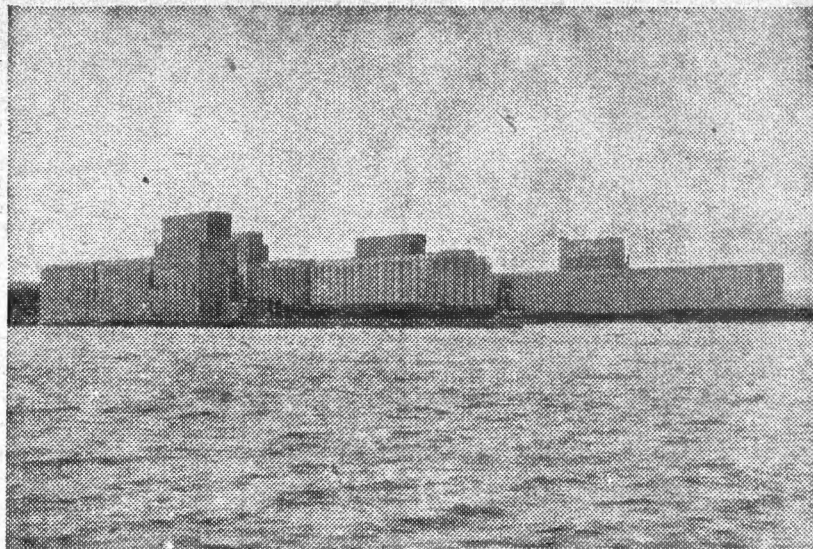


## DELCO LIGHT

**PARTS AND BATTERIES**  
Specialists in all types of farm  
Electrical Equipment and Supplies.

**BRUCE ROBINSON**  
**ELECTRIC LTD.**  
CALGARY — EDMONTON  
LETHBRIDGE  
Since 1916 — 35 years in Alberta.

## Sentinels



This picture from the C.N.R. of four big Port Arthur elevators caught our eye because they seem more like forts than mere storage bins for grain. Any one of the four could hold more wheat than all the farmers in your district will raise this year.

## The Farm and Ranch Review

GRAPHIC ARTS BLDG., CALGARY, ALBERTA

Vol. XLVII. Founded in 1905 by Chas. W. Peterson No. 6  
James H. Gray, Editor P. Peterson, Advertising Manager

### CONTENTS

	Page
Editorials .....	5 and 6
Ben Malkin .....	7
Kerry Wood .....	16
Dr. Morley's Sermon .....	18
Who's a Farmer .....	20
Letters .....	22
The Garden Column .....	24
What Are Beet Tops Worth .....	27
Aunt Sal .....	34
"I Saw . . ." .....	28 and 36
Fun Page .....	38

Published Monthly by  
Farm and Ranch Review Limited  
Printed by Western Printing &  
Lithographing Co. Ltd.  
Graphic Arts Bldg., Calgary, Alta.  
Entered as Second-class Mail  
Matter at the Post Office,  
Calgary, Alta.  
Member of the  
Audit Bureau of Circulations  
EASTERN ADVERTISING OFFICES  
414 Metropolitan Bldg.,  
Toronto, Ont.  
W. H. Peirce, Representative

**SUBSCRIPTION RATES:** To bona-fide farmers residing in B.C., Alta., Sask. and Manitoba when remittance is made direct to our office — 15c for 1 year, 25c for 2 years or 50c for 5 years. Elsewhere in Canada, \$1.00 for 1 year. U.S.A. and foreign, \$1.00 for 1 year. **DISPLAY ADVERTISING RATES:** Eighty cents per agate line.

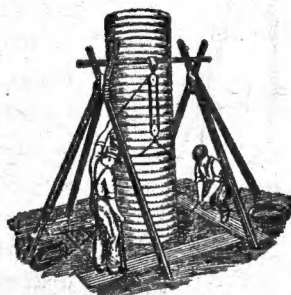
IT'S REALLY something when some of the rural folks have to fight their way in to town over impassable roads — to pay their county taxes. — Corning Free Press.

A LAD is a Boy Scout until he's 16, then he's a girl scout. — Emmetsburg Democrat.

IT TAKES good old Iowa soil to grow good corn, but this same

good old soil is thought of in other terms when a person's car becomes mired in it. — Victor Record.

**NO LEG STRAPS  
NO PLASTERS  
NO ELASTIC  
NO STEEL**  
**GUARANTEED**  
THOUSANDS HEALED  
BY THIS ADVANCED METHOD  
WRITE FOR INFORMATION  
**SMITH MANUFACTURING Company**  
EST. 1893 DEPT. D98 PRESTON, ONT.



## Westeel Well Curbing

Will Keep your Well Clean

Prevents cave-ins—keeps out vermin, seepage. Lengths as desired—wide slip joints make it easy to install. Ensures a clean well all the time. A lifetime investment in health and service. Material is Corrugated Galvanized Copper Steel (like a culvert) highly durable and always sanitary. Sizes 8 to 72 inch.

Write for Free Illustrated Folder

**WESTEEL PRODUCTS LIMITED**

Winnipeg Regina Saskatoon  
Calgary Edmonton Vancouver



MOVING? Be Sure To Notify  
THE FARM AND RANCH.

**MORE THAN 35,000**  
*Satisfied* **USERS**

THE PATENTED  
**BOOKER**  
TRADE MARK REGD.

SELF-FEED SOFT COAL  
**HEATERS and FURNACES**

SEND FOR FREE CATALOG

DISTRIBUTORS  
**INTERNATIONAL Heating & Supply Ltd.**  
KING AND JARVIS WINNIPEG

Ask Your Local Booker Dealer.

## This Medicine Helps 3 Ways



**1** Forni's Alpenkrauter provides prompt, gentle, comforting relief from constipation and such symptoms as headache, indigestion, nervousness, loss of sleep, lack of appetite, flatulence when due to sluggish elimination.

**2** Forni's Alpenkrauter is a time-proved stomachic tonic.

**3** Forni's Alpenkrauter's carminative action helps relieve sour, gassy, upset stomach.

Alpenkrauter is an exclusive formula—a compound of—(not just one or two)—but 18 of Nature's herbs, roots and botanicals—which has proved effective for over 80 years. Try it today and see if it isn't just the medicine you need. Get Alpenkrauter in your neighborhood or send for our special get acquainted offer.

### MAIL this "SPECIAL OFFER" Coupon—Now

☐ Enclosed is \$1.00. Send me post-paid regular 11 oz. bottle of ALPENKRAUTER.

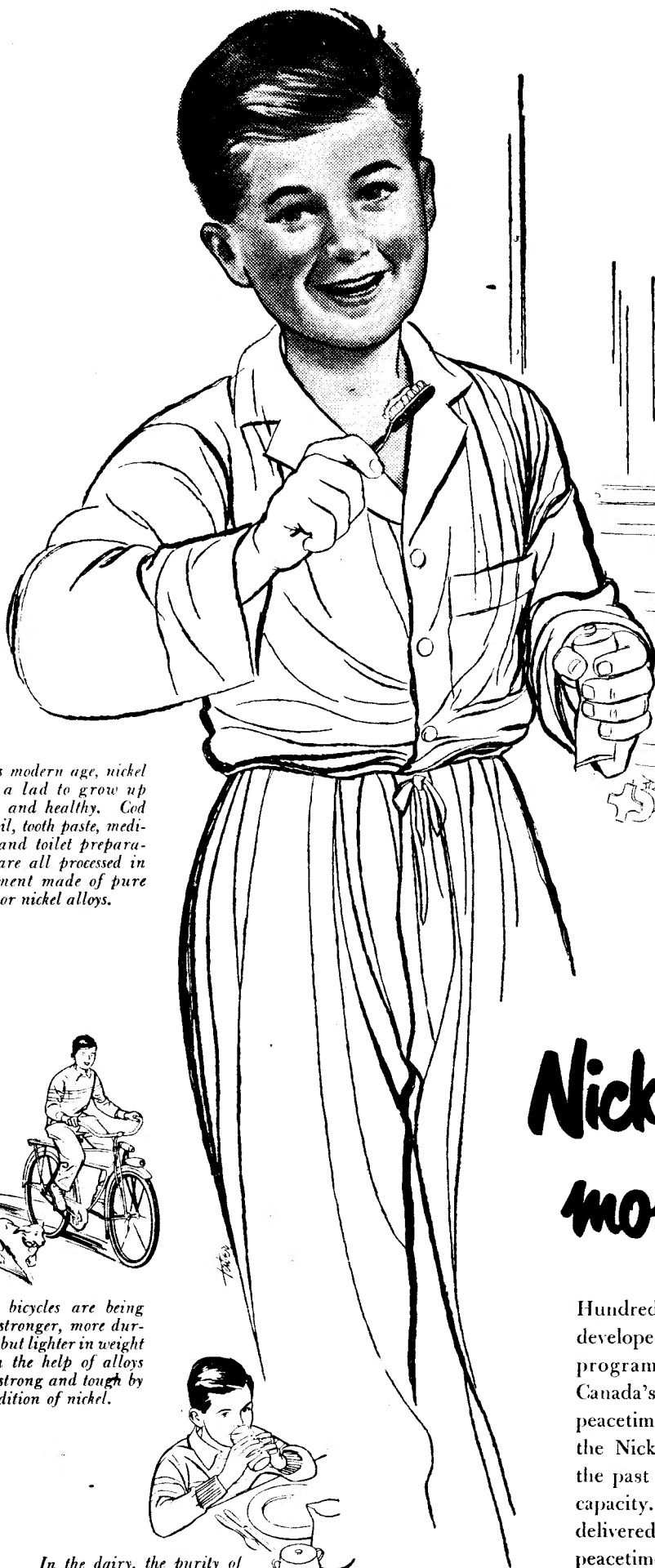
☐ Send C.O.D. (charges added).

Name \_\_\_\_\_

Address \_\_\_\_\_

Postoffice \_\_\_\_\_

**DR. PETER FAHRNEY & SONS CO.**  
Dept. C964-43C  
2501 Washington Blvd., Chicago 12, Ill.  
256 Stanley St., Winnipeg, Man., Can.



*In this modern age, nickel helps a lad to grow up strong and healthy. Cod liver oil, tooth paste, medicines and toilet preparations are all processed in equipment made of pure nickel or nickel alloys.*



*Today bicycles are being made stronger, more durable—but lighter in weight—with the help of alloys made strong and tough by the addition of nickel.*



*In the dairy, the purity of milk is protected by the use of nickel-alloy materials in the pasteurizers, coolers, bottling machines and other equipment.*

## Nickel is on the job most everywhere

Hundreds of everyday uses for Nickel have been developed by the Nickel industry through a planned program of research. Today a large share of Canada's Nickel production is being diverted from peacetime uses into channels for preparedness. So the Nickel mine facilities, greatly expanded over the past decade, are again being operated at peak capacity. There is actually more Nickel now being delivered by Canada to the free world than in any peacetime year.

### CANADIAN NICKEL



*"The Romance of Nickel" a 60-page book fully illustrated, will be sent free on request to anyone interested.*



THE INTERNATIONAL NICKEL COMPANY OF CANADA, LIMITED, 25 KING STREET WEST, TORONTO



# The Farm and Ranch Editorial Page...

## As a nation of money-lenders we are losing our country

THERE was once a time, during the dark ages, when money lending was held in universal contempt. Yet because even the dark ages had need for occasional lines of credit, money lenders existed. They were tolerated as an unfortunately necessary evil, and barely tolerated at that. They were put upon, swindled, beaten-up, robbed and even murdered. And they were victimized very often by the very people who had borrowed their money. The tragedy of Canada today is that we are fast generating into a nation of money-lenders. More, we are being impelled along this road to ultimate disaster by all our best minds and deepest thinkers!

### C.P.R. is Going

There was a story in *Time* magazine recently that points up the facts of this tragedy. Much of the information in this story will be old stuff to readers of the *Farm and Ranch* — how ownership of our industry and commerce is passing into the hands of American investors. One point is new and important. The ownership of the Canadian Pacific Railway is passing into American hands. Since the war, American investors have increased their holdings of C.P.R. stock from 15 per cent to 34 per cent!

Behind all this is the curse of depression thinking which has glorified security above all else. And behind this thinking is the outrageous delusion that security can be attained by investing our money in bonds. So Canadians have become a race of bond-buyers, collectors of gaudy colored promises to pay. In so doing, they have become the greatest risk carriers of all, for there is nothing riskier than an investment in a bond.

### The Big Pipe-line

Let's illustrate the point by a concrete example. The money to build the great Imperial Oil pipeline from Edmonton to Superior was supplied by Canadians in the form of bonds purchased. They will get a fixed interest on their money, if the pipeline is a financial success. Twenty years from now they will get all their money back, if the pipeline is a financial success. And at that stage, if it is a success, it will be owned by the Standard Oil Company of New Jersey, which owns the majority of the common shares.

But if the line does not succeed financially, what then? Well, then the bondholders will have to take over and operate something that is losing money. They will not get their annual interest. They will not get back their principal. Even if the pipeline succeeds, and they not only get their fixed interest every year but their money back at the end of the term, what will that money be worth then? The \$900 automobile of 1929 cost \$2,100 in 1949. The \$5,000 house of 1929 cost \$10,000 in 1949. What will the \$1,000 the bond-buyers get back in 1969 buy in terms of 1949 prices?

We have not the slightest doubt that this pipeline will prove to be a very profitable undertaking. It is too bad that the people who paid for the steel and the cost of installation will never own it. But do Canadians have any inkling of where this mania for security, in the form of bond collecting, is leading them? We doubt it.

### Wrong Solution

To reverse this thinking requires a radical change in our thinking in high places. The impact of the times on that thinking was beginning to be felt. Bond yields were declining. That meant that insurance and mortgage companies were being squeezed to keep up their earnings. If the squeeze had become a sharp pinch perhaps they would have been roused from their slumbers. Instead the Dominion Government started machinery in motion to increase income from bonds.

National Housing Act mortgages, for example, which for 15 years had carried interest of 4½ per cent were raised to 5 per cent. But what would have happened if instead of raising interest rates they had been lowered? The big lending institutions would have been driven to investing in productive enterprise, where the returns are substantially higher. They would have acquired a piece of ownership. They would have profited or lost directly by the success of the enterprise. They would have become partners in the development of enterprise, not merely holders of promises to pay that are good only if the enterprise flourishes.

True, substantial changes would have been necessary in our insurance laws. Those laws were written in a panic, when all lived in terror at the prospect of having an insurance company or a bank go broke. Well, which is worse — to have financial

institutions go broke occasionally or have title to all the productive enterprise of this country pass into foreign hands? That is what is happening. Canadians are selling their equities in productive enterprise and putting the money into bonds. The Americans are buying the real ownership and financing their operations by selling bonds to Canadians. American investment in Canadian plants has now reached the staggering sum of \$7,000,000,000. They are ploughing back their income into expansion at a terrifying rate. In the not too distant future Canada will have to find perhaps \$1,000,000,000 a year in U.S. funds to pay out to Americans as interest on their investment in Canada.

### Our Real Crisis

Here we face a crisis of historic proportions. It is something that screams for attention. It gets none. The *Farm and Ranch* has modestly suggested a few things that might be done. One is that we should completely overhaul our whole tax structure so that Canadians would be given irresistible incentives to risk their capital in productive enterprise. Other nations, faced with a similar problem, have taken drastic action to limit foreign investment particularly in natural resources. India has closed the door on outside investors. France will permit foreigners to investment in the development of North Africa only so long as French capital controls the enterprise. Even the banana republics of South America have tightened up their restrictions on foreign investment in their natural resources.

But in Ottawa, any suggestion that Canada even examine its thinking on foreign investment falls on stone deaf ears. The people who both make and administer fiscal policy want no changes made. They can see administrative difficulties. They can see loop-holes. They are afraid that some sharp Canadians might find these loop-holes and use them to build fortunes. The sad truth is that the wise American investors, who have had the benefit of a tax structure that makes enterprise possible and profitable, have found the loop-holes through which they, though not Canadians, can drive whole railway systems.

And Canadians, who will one day awaken to the fact that none of the physical assets that make a country rich belong to them, rush madly about exchanging title to ownership for gaily printed promises to pay!

## Our subsidized newspapers complain about subsidies

IT is axiomatic that the advocates of any cause must come into court with clean hands. In the uproar over the final payments under the British contracts, Canadian newspapers harped endlessly on the "subsidy" angle. Such criticism would have come with better grace from an institution less generously subsidized than is the press of Canada.

For a generation the people of Canada have subsidized our newspapers to the tune of several millions a year on the postage rates. The rates charged all publications, including the *Farm and Ranch Review*, have been outrageously low. These rates are now being increased by almost \$2,000,000 a year. It is about time, but it is not enough!

Then there is the direct subsidy to newspapers through the operation of the Press Gallery in Ottawa. Not only is the press corps provided with a free press room, free desk space and desks, and stationery and 24 hours per day page service in the main House of Commons building, the Federal Government provides additional accommodation in an office building on Wellington Street. This service costs the taxpayers of Canada at least \$100,000 a year.

### Nothing Happens

Conscientious newspapermen who have rankled at living on Government bounty have been agitating for years to have the publishers erect their own building and take

(Continued on page 6)



# Farm and Ranch Editorials

## The west is wide open for builders like these

ON page 8 of this issue our readers will see an informal sort of article on the kind of enterprise that interests the Farm and Ranch mightily. It's the story of Ned Palmer and his Golden Arrow Sprayer. This makes the third article of this sort we have run. It occurs to us that our readers may be interested in knowing what we are up to.

The first article was about Sam Sair and his rotary snow plow. The second, last month, was about Charlie Noble and his cultivator. They, with Ned Palmer, have this in common: All are Prairie Canadians who saw the need for certain items of farm equipment and risked just about everything they owned to perfect that equipment.

They represent, in a very real sense, the kind of people this country needs—pioneering risk takers, men with faith in themselves and in their country. There are opportunities galore all over these Prairies for profitable enterprise. It is that sort of enterprise that will build up our small towns, create off-season jobs for farmers who need them, make farming itself more profitable, save our soils. We don't pretend to argue that the three we have mentioned exhaust the list. But they do point up a moral for the rest of us — the opportunities are here if we can only recognize them.

Or perhaps it is recognition of a need as much as an opportunity. Mr. Noble, for example, has done wonders in devising the sort of machinery the Experimental Farm people thought was needed to do a particular job. Sair, a tire dealer who knew nothing of farm equipment, saw in a simple, inexpensive rotary snow plow a means of liberating the people of the West from their winter imprisonment. Palmer has come along with a dual-purpose livestock and weed sprayer of a type that Dick Paynter, of the Entomological Lab., has been agitating for for year.

*(Continued from page 5)*

over the cost of operating the press gallery. Nothing has happened.

The railways are also heavy subsidizers of newspapers. They are required to furnish free transportation to newspaper reporters on assignments. The same railways subsidize the newspapers with a transparently ridiculous rate for moving newspaper copy over telegraph wires.

It seems to us that criticism of western producers comes with ill grace from the press of Canada which has batted off subsidies from the public treasury without the veriest whimper of protest. True, these subsidies have been carefully cloaked in secrecy of bargain basement postal rates, and in deeply hidden bills for the Press Gallery operation. But it would be most interesting to have some editor calculate what these handouts have cost the taxpayers of Canada during the past 20 years. Perhaps the railways might tell us what the newspaper pass bill has been, or how much they lose every year handling newspaper telegraph copy. The grand total, if it is ever ferretted out, will run high into the millions.

What else is there that the Prairies need? A straw cutter for combines, surely. A weed catcher for combines. A small stone crusher would be useful on many an Alberta farm. A mechanical device that would protect sheep from predators, and from the stampeding instinct in sheep. Is there not an opportunity here for the experimental farms to co-operate with the local garage operators in devising new and useful equipment?

Is there not an opportunity, too, for the development of co-operative enterprise? Sair, Noble and Palmer have gone it alone. But dotting this country must be hundreds of other small enterprisers who would like to tackle some project and don't quite have the resources to carry it through. Why not, then, form small companies or co-ops and give the idea a whirl? Sure, some of the projects will fail. But what of that? Those who take part will be more than repaid by the sheer joy that they will experience in trying something new, in breaking out into new and untried endeavor.

And this, basically, is what the Farm and Ranch has in mind in devoting its space to stories about people like Sair, Noble and Palmer. We want to encourage them, for we feel that their stories as stories merit the telling. And we want to stir others into going out and doing likewise. There is still room, lots of it, in this Prairie country for the real builders, for people who can look risk squarely in the eye and go unflinchingly forward.

## The economic lunacy of the five-day week

A SIMPLE little story in connection with the institution of the 40-hour week by the railways illustrates the silliness of our general approach to the work week problem. In Calgary, both railways rent expensive downtown offices to provide service for passengers. These offices are rented by the month and were open six days a week. Now they will be closed on Saturdays as well as Sundays. The railways, however, will still pay as much rent as if the premises were being used seven days a week instead of five.

If the majority of Canadians decide that they are only going to work five days a week, that's their business. But if the effect of that decision is to make idle our industrial and commercial plant, and hence increase operating costs and prices of everything we buy, that's everybody's business. Let's take a good look at the system.

In this industrial society, plant and equipment come high. The capital cost of this machinery has to be written off out of income. So part of the price of everything we buy goes to pay for plant and equipment. If that plant operates 24 hours a day, seven days a week, the charge against each item of manufacture is much lower than if it only operates eight hours a day, five days a week.

One of the really effective measures to combat inflation is full employment of our machinery and plant. If people want to work only five days, there is no reason in the world why everybody should have the same days off. Indeed, in the great mass production industries of the United States, days off are staggered to get the maximum use of plant and equipment. It is not so on the Prairies.

### Idle Equipment

Here untold millions of dollars worth of productive machinery stands idle from Friday afternoon until Monday morning. In the construction industry in particular, this is sheer lunacy. But so long as consumers are seemingly prepared to pay any price that is asked, the trade unions and employer cartels are not concerned.

Nor is any government. Indeed, provincial governments aid and abet this enforced idleness of plant and equipment all down the line. The Dominion might break the log-jam by encouraging overtime work. If overtime earnings were made exempt from income tax there would be a great rush to get extra work during busy seasons. That, however, would violate one of the Ottawa brain trust's most cherished articles of faith—that is a crime against all humanity for anybody in this country to earn money that it not grabbed off quickly by the tax collectors.

The full cost of all this nonsense comes to bear on the producers of the prairies who are the ultimate consumers. The five-day week as currently operated exacts a tax on every dollar they spend. It will go on exacting that tax until our economic system gets an injection of common sense.

★

## Let's enforce the law

WHEN laws are passed there is usually an intention on somebody's part to see that they are enforced. What about the law that requires restaurants to publicly display a sign if they serve margarine?

Was no margarine served in any restaurant in Calgary, Edmonton or Lethbridge last spring when the butter shortage had the wholesalers and retailers gouging the consumers? We presume to doubt it. In fact, it would be hard to convince us that half the restaurants we were in were not serving margarine.

Margarine has one dead give-away. When it is kept in a refrigerator in those tiny pats they serve with toast or bread, it resembles hard wax. That, in fact, is what it is. It can't be spread. Instead of spreading it cracks into little pieces.

It ought not to be too difficult for the Government to enforce its law against restaurants that defraud the public by serving margarine instead of butter. A mere glance through the invoices of the suppliers will disclose whether they are buying butter or margarine. It could be, of course, that this law is mere window dressing to fool the farmers who wanted a ban against margarine. We'll know more about that this winter when those who have the butter bought at low summer prices start moving it into consumption at a handsome profit.



# There's more involved in Asia than mere victory in Korea

By BEN MALKIN

THE United States Senate inquiry into General MacArthur's dismissal achieved one great end. It clarified, for the people of the United States and the rest of the free world, the purpose of the present defence program in the West, and of the sacrifices being demanded of the democracies. As suggested in this column last month, this alone made the inquiry worth while. For at no time in the past 30 years have people been more confused, more inclined to ask, "What's all the shooting for?"

Boiled down to essentials, this is what the shooting is for, as General Marshall, General Bradley, and others who opposed MacArthur see it. It is to prevent the Chinese from overrunning Korea; to inflict as many Chinese casualties as possible; to prove to China that it has no future in Korea; to prove to Russia that aggression will be strongly resisted, wherever it breaks out; to persuade China to negotiate a settlement; and through all these measures, to try to prevent a general war. The purpose is not, as MacArthur would have made it, to try to win a victory by extending the war beyond Korea.

## Canada Agrees

Mr. Pearson, Canada's Minister of External Affairs, struck the same theme during the foreign affairs debate in the House of Commons in the first week in May. He pointed out that short of appeasement, everything must be done to prevent a war. For World War III would be fought with atomic weapons that would leave the earth a shambles, and probably wreck civilization. To help prevent this calamity, it is worth while for Canadians to help build up the West's strength, even if it means serious material sacrifices in the next 20 years.

Not until the West's strength is equal to Russia's, so that the power vacuum that resulted from the West's rapid demobilization in 1945 no longer exists, is there any likelihood that tension will be eased. And to do this will take a lot of money, a lot of manpower and materials, and a reduction in the general standard of living.

That's how the Ottawa government sees it, and that's how the administration at Washington and the British government in London regard it. The U.S. Senate inquiry has helped the free people of the world see it that way, too. There can be no quick and easy end to the present tension achieved merely by dropping atom bombs on Chinese or Russian cities. That kind of tactics would only set off a war. The road to peace does not lie that way.

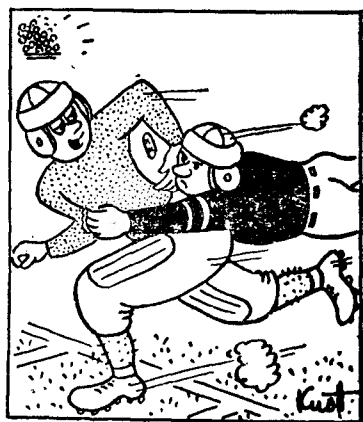
This defence program is now making itself felt more and

more in daily life. Since the Korean war started, the cost-of-living index has shot up more than six points. Some say it's because of profiteering. Perhaps there has been some. But mainly it's because enormous quantities of goods are being produced for military purposes, which means that a great deal of our productive energy is going into things we can't eat or wear. That means higher prices for consumer goods as these grow scarcer; higher prices for houses, for clothes, food, machines, fuel, and everything else people use. Our standard of living has dropped already, and the defence program has barely started.

The significant thing is that Canada seems to be taking this fact pretty much in its stride. This is not so in Britain, or the United States. In Britain, Aneurin Bevan, one of the leaders of the Labor Party, resigned from the cabinet toward the end of April because he thought the present defence program would reduce living standards too much.

## Allied Bickering

In the United States, too, there is constant complaining that that country is trying to do too much, and that U.S. allies aren't pulling their weight. MacArthur, for example, spoke contemptuously of the "token forces" sent to Korea by some of the United Nations, forgetting that Britain has more than 20,000 airmen, sailors and soldiers in Korea, and must also fight the Communists in Malaya, and forgetting that the French have over 100,000 men in Indo-China. But in Canada, the complaints haven't amounted to much, possibly because government leadership has been strong enough so that it has not been afraid to tell the public that it is demanding sacrifices from the nation not in order to win victories, but in order to avoid the need for winning victories. In fact, if there has been criticism, it is that Canada has not been doing enough. Of all the allies, Canada seems to have had the clearest idea of what the shooting in Korea is for.



"Nice spot to watch a touchdown from, isn't it?"



A FARMER TELLS WHY HE LIKES HIS ...

## CATERPILLAR D4

"I'm going to buy another!"

"We're pretty big farmers," says Mike Tschetter of Crossfield, Alberta. "Of the land we crop every year, we figure 1,000 acres is handled by our 'Cat' D4 Tractor alone. During the busy season, this machine gets no rest and asks for none. It's a Monday morning to Saturday night worker. It takes no time off and doesn't expect any. Our 'Caterpillar' D4 Tractor has proved it will do more work than our wheel tractors — and do this extra work while at the same time cutting fuel costs. What do I think of the 'Cat' D4 Tractor? I'm going to buy another!"

Mr. Tschetter is just one of many thoroughly satisfied "Caterpillar" D4 Tractor owners. Whatever the job, you can do it easier, quicker and at tremendous savings, too, with rugged "Caterpillar" power built and paced for your needs.



CALGARY, EDMONTON,  
LETHBRIDGE, GRANDE PRAIRIE

REGINA,  
SASKATOON

Dept. UKT,  
Farm and Ranch Review,  
Calgary, Alberta.

Please send me further information on the "Caterpillar" Diesel D4 Tractor.

Name .....

Address .....





## He's a going concern!

BILL IS ANOTHER enterprising boy who is learning to appreciate the value of saving for what he wants. Each week, he puts a part of his spare time earnings in the bank. And is he proud of his bank book!

Many a businessman credits his success to the habit of thrift learned early in life. Planned saving has helped millions of Canadians to make the most of their own enterprise and industry.

Experience has shown that the difference between "getting along" and "getting ahead" often starts with a bank account. Use the chartered bank in your neighborhood as a safe and handy place to make your savings grow.

One of a series  
by your bank



## Blossom Time



This is Mrs. C. T. Schon of Brooks, Alta., in the shade of a 26-year-old crabapple tree that blooms like this every spring. The photo is by Betty Crook of Brooks.

## A mechanic got an idea and a new industry is born

By NORMAN FLANDERS

**F**IVE years ago this summer a filling station operator in Calgary started tinkering with the notion of building a weed sprayer. He was not alone. All over the country, everybody was hankering to get into the weed spraying business. Presently there were more sprayers on the market than you could shake a stick at.

But what set Ned Palmer, the Calgary mechanic, apart from most of the others was his concern over the obvious bugs in sprayer equipment, before these bugs had a chance to hatch in the farmers' hands. Let's put it this way —He got baffled by the booms and nozzles, before he built his first sprayer. He couldn't see how the nozzles then available could work. So he set out to invent a new nozzle.

Today that nozzle is being used by sprayer manufacturers all over the United States.

The Palmer nozzle claims these advantages: It clamps into the pipe in permanent alignment, it doesn't clog under normal usage, if it does clog it can be removed and cleaned in a matter of seconds. It can't be damaged by obstructions or being hit. It can be shipped attached, saving farmers the trouble of screwing nozzles into pipes.

### Must be Good

The fact that it is being imitated all over the States is evidence enough to Palmer that it must be good.

Palmer's entry in the sprayer business was compounded of accident and initiative. The Golden Arrow Service station which he controlled employed 30 men full time. But he couldn't get any franchise for new cars. These are the real life blood of the big service operators. When the weed sprayers came along, he thought they would be suitable substitutes. Once he got into that business he lost interest in the Service Station. Within a few months, he and his partners closed the whole enterprise and concentrated all their efforts on the Golden Arrow Sprayer.

It was tough sledding. His first sprayers had no nozzle troubles, but they had lots of others. His profits the first year were more than eaten up by the necessity of replacing engines that hadn't been dust-proofed.

More important, in Palmer's eye, than making money is the fact that he is still in the sprayer business. Others, who couldn't take the continual stream of complaints over booms whipping, marker trouble, nozzle trouble, tank trouble, engine trouble, threw up their



hands and quit. Palmer right now is thinking in terms of expansion.

#### New Marker

He has high hopes for developing a Prairie-wide market for his new marker. It was tried out last year by the experimental farms and other experts and has won general approval. He is now marketing a new double-purpose, combination, high and low pressure sprayer that municipalities can use to spray weeds and also use as cattle sprays.

In order to build such a sprayer, Palmer had to start tinkering all over again. It is a simple matter to build a high volume, low pressure sprayer. It's the same thing with a high pressure, low volume sprayer. But to combine the two had most of the engineers stumped, until Palmer invented his own valves and connections so that one unit could be used for both systems.

This year, Golden Arrow will market 500 units from its small Calgary factory. Its output is limited by the availability of material. Steel has become scarce and so has brass. It has also become very expensive. But regardless of the supply situation, Palmer is in the sprayer business for keeps. If he has to go back into the service business it will be in the sup-

plying of service for sprayers.

He is sold on the value of both weed and livestock spraying. One trouble is that farmers give their sprayers hard usage. They think nothing of whooping along a road with a sprayer full of water at 20 or 25 miles an hour. The sheer weight of this water plays hob with any machine if it hits a pot hole. So until farmers learn how to take better care of their sprayers, there'll be some service work to be done.

In addition, Palmer is working to expand the market for his markers which are simple, fool-proof and effective. The double purpose sprayer is another specialty item that should find a large market once it becomes known. And already Golden Arrow is getting inquiries from competitors for permission to use his nozzles.

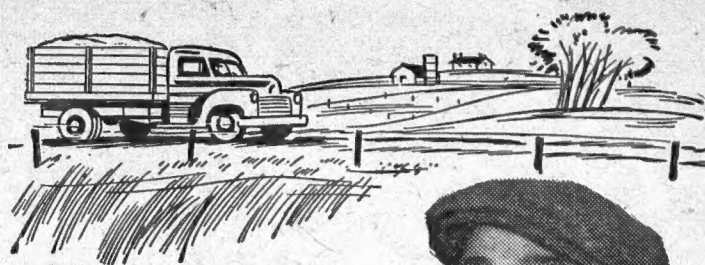
"We'll make a deal," Palmer said. "I'm not going to try to hog the nozzle even if it is my invention. After all, it'll be just as great a thing for me as it will be for the farmers if we can get trouble-free operation of all the nozzles on all the sprayers in the West. That'll mean that the sprayers will be used, not discarded and left standing in the field while the weeds take over where the crop should be growing."

#### "I'm Shy"



Here is the well-known pure-bred Percheron mare, Starlight Koncarness, owned by Hardy E. Salter of Calgary, and her new filly foal sired by the Dominion Government stallion, Koncarhope, now stationed at the Lacombe Experimental Farm. Starlight Koncarness holds the world's record for heavy horse grand championship wins at Class A Exhibitions. She has 29 such awards, which include grand champion at the 1948 Royal Winter Fair, Toronto. On the Calgary, Edmonton, Saskatoon and Regina prairie show circuit she has been undefeated for the past four years.

Koncarhope was imported from Indiana, U.S.A. two years ago, for a record price of \$2,700.00, and is stationed, by the Dominion Government, in Alberta for the use of Percheron breeders. In 1949 he was declared the Premier sire of North America, having sired more prize winners than any other stallion of any breed for that year. This grand mare and her foal will be exhibited this summer at the Calgary, Edmonton, Saskatoon, Regina and Pacific National Exhibitions. The latter is held at Vancouver, B.C.



# "GRAIN



## is my business too!"

*"A good harvest for you is good business for me. That's why I try to make myself an expert on better grain. And that's why I recommend and sell good weed killers—DOW WEED KILLERS."*

says William A. Liepert  
Agent, Federal Grain Limited  
Weyburn, Saskatchewan.

Throughout the Prairie Provinces, elevator agents like Mr. Liepert are thoroughly familiar with the remarkable results that come from a good weed control program. Records at these elevators show how weed killers have increased yields. Payments show how weed-free grain has reduced dockage.

More than five years of use in the Prairie Provinces have proved that Dow Weed Killers are dependable. Only Dow offers you a *complete line* of weed killers . . . 8 different formulations, one for nearly every weed, brush and grass problem. Each is Dow quality . . . backed by the name and reputation of one of Canada's leading producers of chemicals.

Your elevator agent . . . or implement dealer . . . will be glad to give you complete recommendations on the *right* Dow Weed Killer to use, the *right* time and the *right* way to use it. Let him show you the way to more grain . . . better grain . . . with DOW WEED KILLERS.

**8 Different Formulations**  
**for Weed, Brush and Grass Control**

# DOW WEED KILLERS

As close as your nearest  
elevator

The Alberta Pacific Grain Co. (1943) Ltd.  
Canada-West Grain Company Limited  
Ellison Milling & Elevator Co. Ltd.  
Federal Grain Limited  
Inter-Ocean Grain Co. Ltd.  
Parrish & Heimbecker Limited  
N. M. Paterson & Sons Limited  
Pioneer Grain Company

AND AT INDEPENDENT DEALERS



**DOW CHEMICAL OF CANADA, LIMITED**  
Toronto • REGINA • Montreal





Model L-110 with Pickup Body

# TRUCKS MADE BY MEN WHO KNOW FARMERS' PROBLEMS

International Trucks are built by International Harvester, a company that has been building quality equipment for farmers for more than 100 years — a company that knows farm conditions. So the trucks we build for you are engineered to give you years of low-cost, all around performance in the fields, on farm roads, on the highways.

When you get an International Truck, you get a truck of the right size and type with specialized units and parts to meet your hauling needs. You get the right transmission, gear ratio, axle and tire equipment to satisfy your requirements.

You get the new Comfort-Vision cab—"roomiest cab on the road." You get full front visibility through the new one-piece, scientifically curved Sweep-sight windshield. You get more positive steering control from a more comfortable driving position. You get supermaneuverability, shortest practical turning circles.

Your International Dealer knows your farm hauling problems. And he is part of the country's largest exclusive truck service organization. So no matter where you live, you can always get the parts, accessories or expert service you need. Visit your International Truck Dealer or Branch soon.



International Trucks are made in Canada at International Harvester's Chatham Works, Chatham, Ontario

## INTERNATIONAL TRUCKS

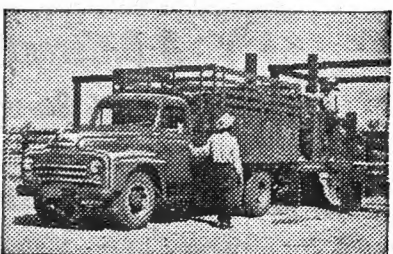
INTERNATIONAL HARVESTER COMPANY OF CANADA LIMITED, HAMILTON, ONTARIO



Model L-120 with Stake Body



Model L-150 with Stake Body



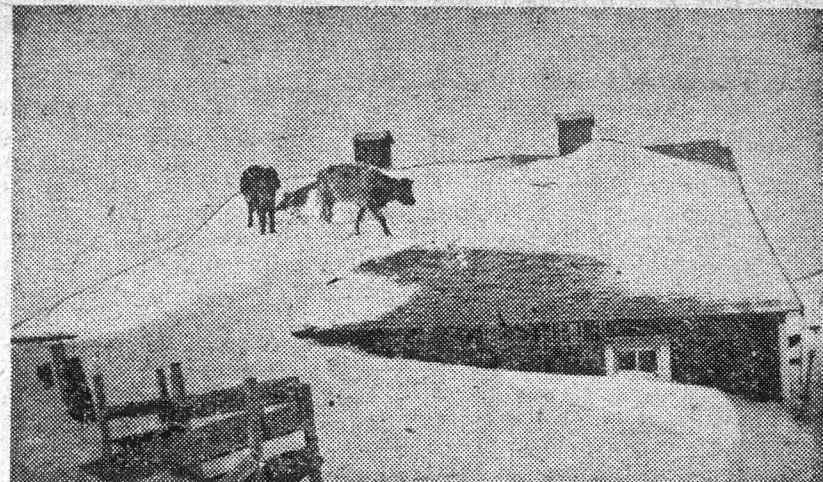
Model L-162 with Stock Rack



Model L-162 with Grain Box

35-859

## Displaced Cattle



A late spring snow storm, a high wind and a picture like this resulted. Mrs. Hepburn of Elnora, Alta., caught this shot of cows on instead of in the barn.

## The old weather forecasters had their favorite signs

By KATHERINE HOWARD

IN these modern days of the weather bureau and weather forecasts via the radio announcers, the old-fashioned weather predictions have fallen into the discard. Yet in many parts of the country, there is usually one rugged individualist who bases his weather predictions on certain infallible signs.

Generally he is a man, who through long years of observation, with due regard to the position of the sun and the phases of the moon, and a quiet contemplation of nature's vagaries, is competent at least to offer an interpretation of such signs.

Often, to the confusion of his critics, his predictions are correct.

To begin with, he says, the weather will be fair during the ensuing seven days, if the change of the moon, first quarter, full and last quarter, occurs within two hours of midnight, before or after twelve o'clock.

If the change of the moon happens at a time nearer to mid-day, also within the two hours before or after, miserable, wet weather may be expected during the next seven days.

If the moon changes after two in the afternoon, or between 8 and 10 p.m., the weather, as might be expected, will be changeable. So say the old-timers, and not only on these phases of the moon do they base their theories of weather.

Everyone knows, they say, that a crescent moon lying on its back in the sky means fine weather, but the same new moon standing on the tip of its curved edge, "Won't hold water," and down will come the rain in due course.

Going from the moon to the sun, we find the weather-wise telling us that a ring around the sun predicts a storm, that "Sun-dogs," those bright, mysterious lights that shine in daytime, mean bad weather if north of the sun, fine weather if south,

and if on either side of the sun, the "Dogs", signify a change.

### Red Sky

The old rhyme, "Red sky at night, sailor's delight, Red sky at morning, sailor's warning,"

is familiar to almost everyone, but there are other manifestations that are even more full of meaning to our weather predictor.

When the walls of the house feel damp to the touch, when chairs and tables creak and crack, the weather is going to change. There is an old poem that says among other things.

"... When the spaniels sleep,  
And spiders from their cobwebs peep,"

bad weather is to be expected. When distant hills are clearly seen and seem quite close, when geese honk loudly and ducks quack noisily in the farm-yard, when pigs are restless and disturbed, the dry spell is over and rain is coming.

A change in the weather is predicted too, if there is a sudden appearance of fire-flies at night, if the toad leaves his retreat and hops over the lawn, if the house-cat sits and washes his face continuously, and if the house-dog leaves his dish of meat scraps and tears at the grass in the shade of the trees.

### Crazy Birds

When little birds, they say, run along the ground instead of flying into the trees, and crows, instead of going straight home, fly erratically and appear to fall headlong, it is going to rain, and when the rain finally comes, and chickens leave the poultry house and come out onto the wet and soggy ground, you may be sure the rain will continue all day long.

Probably it is all superstition at which scientists scoff and wise weather bureau officials deride. But before the radio was invented and man had harnessed the sound waves, the old-



## Here's something new in magpie traps

By KERRY WOOD

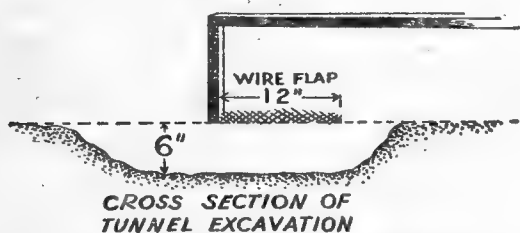
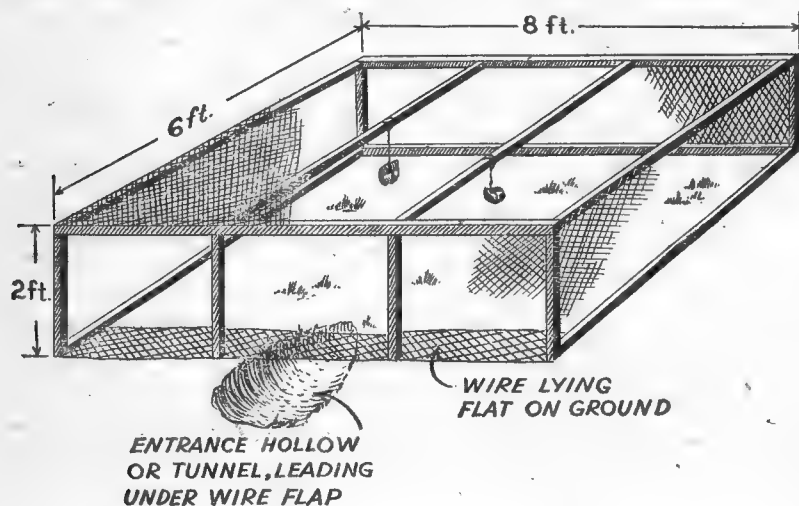
EVERY springtime scores of western farmers write to me for magpie trap plans, and this year the pests seem to be more plentiful than ever. There are several good magpie control measures known, if we could just organize farmers to stage all-out campaigns against these bird-pests. The following trap-plan and instructions for using it were taken, in part, from the author's "Magpie Menace" booklet:

The trap was invented by Mr. Dan Patton, a farmer-naturalist of Midnapore, Alberta, and the trap is known as the Patton Walk-in Trap. It is constructed of 1-inch chick-wire screening, nailed or stapled to a 2-by-2-inch frame-work that measures 6 by 8 feet by 2 feet high, per the pattern shown in the enclosed sketch. Note that base-

trapped birds try to get out of the entry tunnel, they walk back and forth on top of this wire flap. They seldom find the small entry tunnel-opening back of the flap.

The Patton trap is most productive when used on bare ground during the spring and autumn of the year, when Magpie food is scarce and the birds readily come to bait. The bait should be hung from the roof-rafters inside the trap box — pieces of fatty meat, butchers' scraps, tripe, or odoursome fish. To entice the birds around and into the trap, a small amount of bait (wired to heavy bones to prevent the birds carrying it away) should be placed outside the trap on the Entrance Tunnel side and near the Entry.

Do not go near the trap too often to see how it is working. Place it some distance from



boards are used on only three sides of the trap-frame, with no baseboard on the Entrance side of the trap.

The magpies enter the trap by means of a walk-in tunnel dug in the ground, over which the trap frame is placed. The Entrance Tunnel should measure approximately 3 feet long in a V-shape, the open outside edge of the entry tunnel being around 18 inches wide and twelve inches deep, then narrowing down to about 6 inches wide and 6 inches deep at the entrance point inside the trap, and beyond a 12-inch-wide ground-flap of chick-wire that stretches from one side of the trap to the other. When the

timers told the weather from the signs.

Many a field of hay was safely gathered in, put on the racks in a hurry and carted to the mow, because grandfather knew when his rheumatism bothered him, that it was going to rain.

buildings, in a clearing partly screened from roads or houses. The trap will work best if you set it up at night and bait it then, attending to trapped birds after dark so that Magpies still at liberty do not get wise to the fact that humans have anything to do with the screened contraption. Such precautions may sound somewhat elaborate, but the most successful trap-operators advocate that such tricks pay off in greater numbers of trapped birds. One farmer who used this Walk-in Trap during the early spring caught 150 magpies per week for a three-week period.

The trap should not be left more than a week in one location, then moved to a distant part of the farm or to a neighbor's farm where the Magpies haven't become used to the apparatus. Trapping may be carried on all summer, but obviously, Magpies will decoy best to bait during the hungry times of early spring and late fall.



## "What will I be doing at 60?"

"I'm a farmer's wife and still young — but I know what I'll be doing at 60. The children will be grown up, and John and I will take a well-earned holiday — a permanent one. Our Mutual Life retirement insurance takes care of that!"

You and your husband can start today to set aside a regular sum within your means . . . and begin to reap its harvest in a welcome monthly income when you are ready to retire and take life easy.

Call it saving, if you like. It's *more* than that. A Mutual Retirement Income Policy also gives invaluable financial protection from the moment the policy is started . . . protection that may mean your ability to keep your home intact and to properly educate your children . . . should the unexpected happen.

Find out how Mutual Life insurance can take care of your family's needs!



FOR  
LIFE INSURANCE  
AT  
LOW NET COST

mail this coupon

THE MUTUAL LIFE OF CANADA  
WATERLOO, ONTARIO

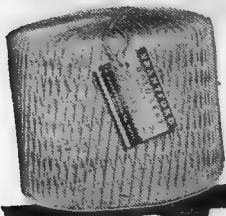
Please send me without cost or obligation copy of your booklet "What Life Insurance can do for the Canadian Farmer".

NAME.....

ADDRESS.....  
FR-2.

FP-21





Be sure of **COMPLETE** satisfaction—ask your dealer for "Brantford" binder and baler twines by **NAME**. Get the **most** for your money.

# BRANTFORD BINDER & BALER TWINE

THE BRANTFORD CORDAGE CO., LIMITED  
BRANTFORD, CANADA  
WESTERN OFFICE, 289 CHAMBERS ST., WINNIPEG



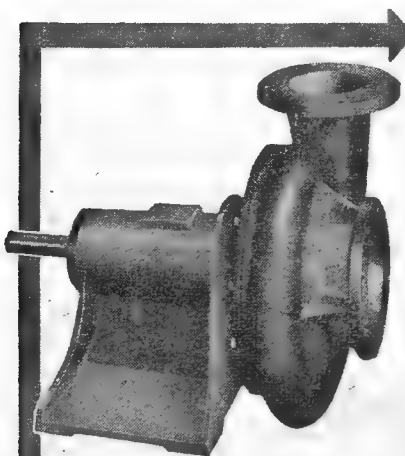
501

It's going to be a hot summer!



... as usual, certain areas in Western Canada are due for long dry periods this summer. An efficient irrigation system may well mean the difference between crop failure and a bumper harvest.

**SO** YOU'LL WANT TOP SERVICE  
from your irrigation pump  
... THESE FEATURES SPELL SERVICE



The  
**PARAMOUNT**  
TYPE "M"

... designed specially  
for sprinkler irrigation  
by the Western  
Firm first in  
the field...

**PROPER DESIGN:** Your pump should be designed specially for the job... built by people who know sprinkler irrigation from its very start.

**ADAPTABILITY:** You should be able to drive your pump by all types of connection and from any power source... tractor, power unit, gas or diesel motor.

**FREEDOM FROM TROUBLE:** Your pump should be of simple, rugged construction... able to withstand years of hard usage without need for adjustment or replacement of major parts.

Ask your dealer about the **PARAMOUNT**, Type "M"—product of 16 years' experience in the field of sprinkler irrigation.



## Happy Birthday



This nice picture was sent in by J. W. Johnson of Lacombe who snapped it when his niece and nephew, Betty and Billy Pydde, were getting ready to start on a birthday cake.

## B.C. seed growers meet tough competition

By A. J. DALRYMPLE

**BRITISH COLUMBIA**, a province of many fertile valleys, varied soils and climate, is well suited to production of vegetable seeds. But the industry is not without its problems, and will have some difficulty in meeting foreign competition.

Growing of vegetable seeds in B.C. received an impetus during the war. Seed from foreign countries was hard to obtain, and farmers of the Pacific province saw an opportunity to get in the business and make some money.

Growers in several areas such as the Fraser Valley, Grand Forks, Lytton and Kamloops, made showings ranging all the way from fair to excellent, but as the war-scarred countries overseas got back on their feet, they started producing, and at lower costs.

The results are obvious. Money talks. Seed growing abroad has been established for many years. Labor is cheaper. Production costs are not so high; and in many cases the area of operations is larger than in B.C., and the larger operations, efficiently handled, lend themselves to cutting costs.

So B.C., in the future, will have to be prepared to meet foreign competition in the matter of price if the industry is to survive. This will mean increased mechanization to reduce costly hand labor.

Members of the Agricultural Engineering Group of B.C. recently held discussions on the subject. Bob Donaldson, representative of Buckerfield's seed division, gave a review of problems affecting several districts in B.C.

He said that the region from Lytton through to Chase and Kamloops is one of the best in Canada for growing bean seed. The climate is dry, and produces

a product that is practically disease-free. There are also favorable areas in the Okanagan.

But there are problems in the harvesting of beans. In the threshing there are too many broken and cracked beans. They do not germinate. So that brings up the subject of more training in mechanics for those who are going to do the threshing, and reduce the number of cracked and broken seeds to the minimum.

The Grand Forks area has one of the most beautiful valleys on the North American continent; a glorious sight in spring and summer. They grow flower seeds, and when that sunshine valley is in bloom it is a sight for the gods.

### Onions and Carrots

Grand Forks farmers also produce onion, carrot, parsnip and beet seeds. All these require special experience in threshing. Labor costs in the district are a problem. Students of economics state that there will have to be more mechanics applied to meet this situation.

In the Vanderhoof district, and the Prince George area, there are possibilities for increased production of Alsike. One of the big problems of that region is seed-setting, and weather troubles at harvest time.

Fraser Valley, too, has potentials for seed growing, but here again there are problems; one of these is a soft climate, and much moisture.

The Fraser Valley is suitable for sugar beet seed, Dr. F. H. Peto, B. C. Sugar Refineries Ltd., told the agricultural engineers.

He traced the growth of the industry during the past few years. Prior to the war sugar beet seed was obtained in Europe. In 1940 the industry de-

cided to try out the Fraser Valley, because of the mild climate sugar beet seed could be left in the ground all winter.

It is sown in July or August and left thick in a row. The following April or May they are fertilized heavily. They grow rapidly sending up great seed stocks. They become tangled and lodge heavily.

Sugar beet seed growing is one of the branches of the industry which has a series of complex problems from time of thinking in spring right through to threshing, cleaning and bagging. It is no business for an amateur.

There are about 400 acres in sugar beets in B.C. They are worked by 25 growers. There will not likely be any noticeable increase in production of that seed in Fraser Valley in the near future, as production is taking care of the demands.

Dr. Peto stressed that sugar beet industry is highly specialized, and every effort is made to reduce costs, and this calls for increased use of the finest machinery, and skilled men to operate it.

#### New Gadget

As one instance of the progress made in mechanics and other devices, Dr. Peto told of a thinner being used in California which is operated on the principle of the electric eye.

"It is not a toy," said Dr. Peto. "It costs about \$6,000; and has operated successfully for several years."

The invention was the result of determined efforts to cut labor costs in the field. Leo Marihart, Salinas, Cal., hit upon the idea of the electronics.

The machine is composed of three units, control box, electric eye and knives. They are mounted on a tractor, and the machine can be used day or night, on any desired number of rows. Four rows at a time has proved best.

Basically the machine consists of a photo-tube, commonly known as an electric eye, with its own light source and a definite color range. The eye and the light source are so mounted that they are carried on any desired setting along the row of plants.

Due to the wiping action of the unit, whereby the foliage of the plant is literally pushed forward, the eye actually sees the foliage, or leaves near the roots, and by this means determines the root location.

The timer controls the knives. They are spring-mounted to simulate hand hoeing. They are also mounted so that one knife will cut in front of a plant and another behind it.

The driver can control the sensitivity of the electric eye by a dial similar to one on a radio. The sensitivity can be set to a small plant or a large one. Once the setting is made it can be left alone and the photo-tube will respond accordingly.

However, if the plants at the

end of a row are smaller, the sensitivity can be changed to accommodate them. This can be done while the machine is in operation. It is similar to tuning a radio. The dial is set to the best response.

The observations regarding this machine serve to illustrate that science is moving forward rapidly in agriculture.

Speakers at various agricultural engineering meetings in B.C. continually stress that in the seed growing industry of this province, as in other branches of the farming industry, every effort must be made to reduce costs through mechanization.

They add, too, that there must be more training of growers in the operation of machinery. Steps are being taken along this line by government and university short courses, and field days dealing with the use of farm machinery.

## Don't get careless with poisons

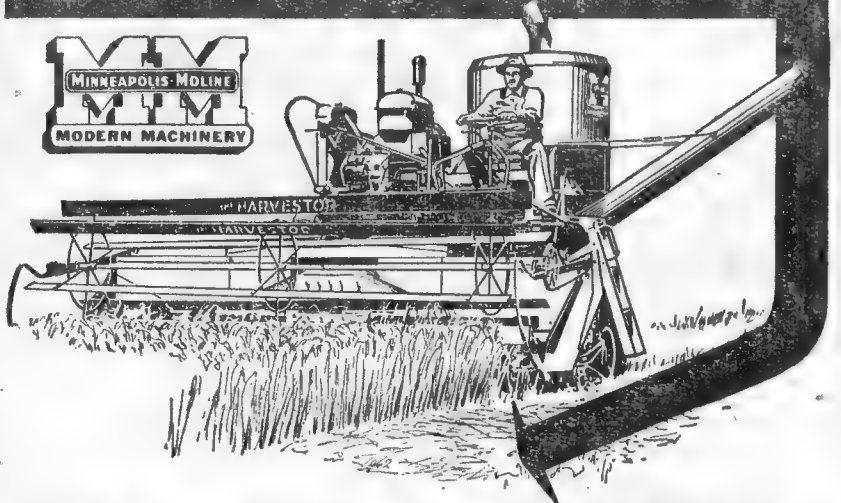
THE word "Poison" on weed killer and insecticide containers means just what it says. With the increased use of these aids to the farmer there seems to be a tendency on the part of some users to relax vigilance as far as keeping poisons out of the way of domestic animals is concerned. Two cases have recently been brought to the attention of the Director of Veterinary Services, Dr. E. E. Ballantyne, in which cattle deaths have occurred as a result of access to the weed killer, sodium chlorate.

Three weeks ago, a report was received from the Lindberg area. In this case 6 head of cattle died rapidly after they had eaten the weed killer from an open drum. The Veterinary Services Branch asked that the stomach and liver be sent in for examination and upon analysis, chlorate was found in both organs in heavy concentration.

More recently, a similar case has been reported from the Wainwright district, in which several head of cattle were involved. Within a week of the death of the first two, four others expired, two more were in serious condition, and several showed effects of having eaten the poison. These cattle also had access to a drum of the chemical. Again sodium chlorate was recovered from various body organs. The financial loss in these two cases amounted to \$3,000. Use all poisons with care and keep them out of reach of both animals and children, cautions Dr. Ballantyne. Poisons should be treated as poisons.

In the case of livestock poisoning, emergency treatment with an oily laxative, such as raw linseed oil or mineral oil, is always good to slow down absorption of the chemical, but a veterinarian should be called immediately for more specific treatment.

# HARVESTING COSTS DROP



## MM SELF-PROPELLED HARVESTER

It's built to get all the crop, on time and at a lower cost. MM Model S Harvesters give you these original features:

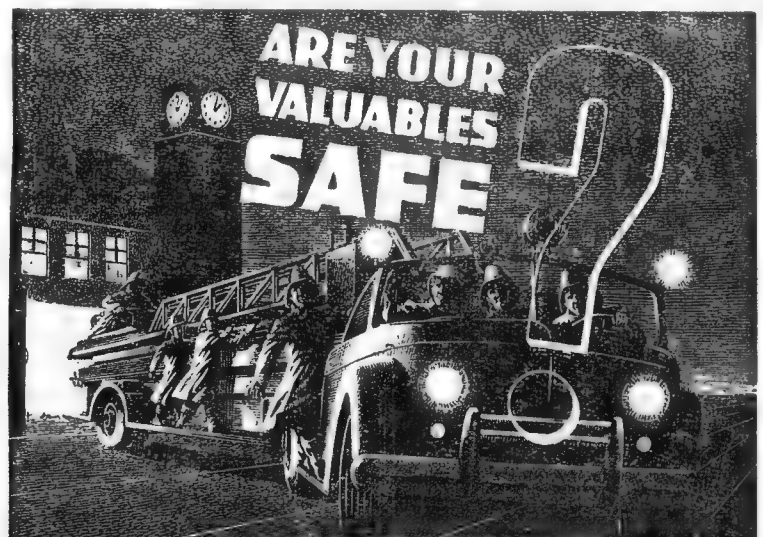
- ★ Powerflow hydraulic drive—the smoothest, most exacting of speed controls.
- ★ MM rasp-bar cylinder and one piece, all-steel concave and grate for superior threshing.
- ★ 45 bushel grain tank can be unloaded in one minute by high speed auger.
- ★ Header and conveyor designed for fastest operation under all conditions.
- ★ Balanced weight for fast, easy operation and transport.

See your friendly MM dealer or write direct for complete facts on the MM Self-Propelled HARVESTER, other MM MODERN MACHINES, VISIONLINED TRACTORS and POWER UNITS.

## MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA

Renew Your Subscription Today



## SAFETY DEPOSIT BOXES

Available for deeds, bonds,  
jewellery, insurance policies,  
& other valuable papers

IMPERIAL BANK  
OF CANADA



## IT PAYS DIVIDENDS TO OWN A "LITTLE GIANT" PORTABLE SAWMILL

DESIGNED RIGHT — — — — — MADE RIGHT

There is a Mill to Fit Your Work at a Price to Suit Your Job.  
— IN FOUR SIZES —

Compare These Prices:

COMPLETE WITH FEED BELTS AND PULLEY READY FOR YOUR  
SAW AND POWER

With 3 Head Block Carriage—20 feet long, in 2 Sections	-----\$940.00
With 3 Head Block Carriage—16 feet long, in 1 Section	-----915.00
With 2 Head Block Carriage—16 feet long, in 1 Section	-----815.00
With 2 Head Block Carriage—12 feet long, in 1 Section	-----630.00

Prices F.O.B. Calgary

A LETTER WILL BRING YOU DESCRIPTIVE LITERATURE AND ALL  
DETAILS.

NO WAITING — — — — — IMMEDIATE DELIVERY.

### MACHINERY DEPOT LIMITED

CALGARY

1029 Tenth Avenue West  
PHONE 42992

ALBERTA

Glass for Automobiles, All Models, Prompt Shipment  
THE BENNETT GLASS CO. LTD.

M 1778

228 - 7th Avenue East,

CALGARY

## PLEASE... Be Careful!



That harmless match may seem a simple item as you light your cigarette, pipe or camp-fire. But that match can destroy — can cause losses running into millions! Make sure it's out before you throw it away — make sure your cigarette stub is extinct, that your pipe ashes are cold, that your camp-fire is completely extinguished before you leave it. Our forests are beautiful—keep them that way! Our forests are one of our greatest sources of revenue—let's not destroy them! Please... be CAREFUL!

This advertisement is sponsored by

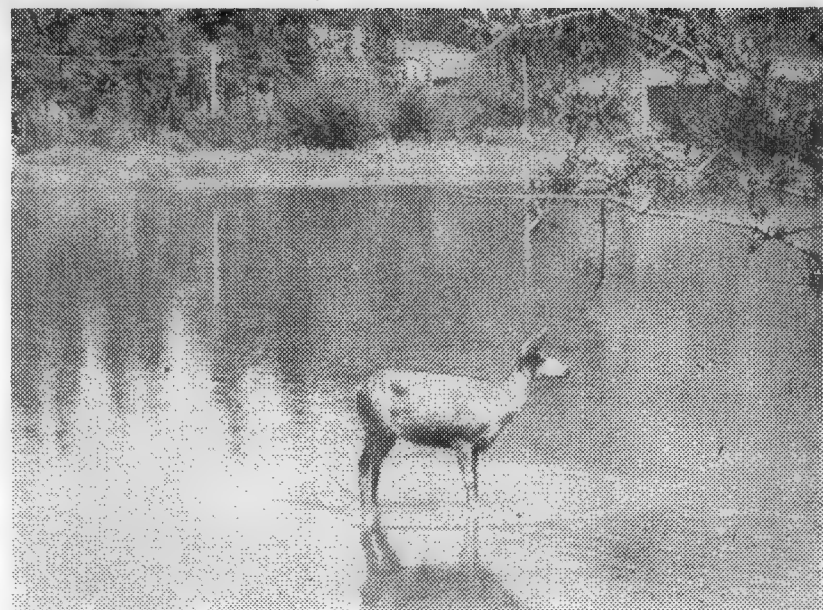


**ALBERTA BREWERS' AGENTS LIMITED**

REPRESENTING

BIG HORN BREWING CO. LTD.  
CALGARY BREWING & MALTING CO. LTD.  
SICKS' EDMONTON BREWERY LTD.  
SICKS' LETHBRIDGE BREWERY LTD.  
NORTH-WEST BREWING CO. LTD.

## Deer in the River



J. W. Jonson of Lacombe got this clear shot of a deer quenching its thirst in the Bow River.

## A big California posse is coming to Calgary Stampede

THE tops in high-priced professional entertainment and a group of amateurs will vie for top billing at this year's Calgary Stampede. The amateurs are a group of Richmond, California, business men and their wives, who love horses, fun and gaudy costumes. They'll combine all three at the Stampede, and they come at their own expense.

Their organization is known as the Contra Costa County Sheriff's Posse.

The Posse is composed of a group of business men who all love a good horse and are possessors of some of the finest and most colourful silver-mounted outfits owned by any similar group on the continent. Each year, the Posse takes a holiday and accepts an invitation to attend some outstanding event. In 1950, their trip was to Honolulu. The year before, they attended the Mardi Gras in New Orleans. Next year, they plan to travel to Brazil. This year, it's the Calgary Stampede.

Approximately twenty-five of them will have their horses vanned to Calgary, while they and their wives make the trip by chartered bus. They will appear in the Stampede Parade, Monday morning, the Grand Entry at the grounds, Monday afternoon, and the Official Opening, Monday evening. On Tuesday and Wednesday mornings, they will ride their horses on exercise parades through the city streets in conjunction with the downtown street entertainment, and perhaps will visit the Belcher Hospital and the Red Cross Crippled Children's Hospital. Thursday and Friday, they will visit Banff and Lake Louise, returning to Calgary, Saturday, to be the guests of the Exhibition Board at a barbecue luncheon. They will leave for home on the Sunday or Monday following the Stampede.

The Stampede itself will sport

all its usual attractions — the street parades, Indians in spectacular costumes, the top cowboys of the continent competing for the big rodeo money, horse races and as always the world famous Chuck-Wagon Races.

Two new comedy acts have been added for the grandstand show in the afternoon. Slim Pickens, the cowboy clown, will be back. He'll yield the spotlight to "Beeswax" Moore of Sun Valley, Cal., with his educated mule.

Another highlight will be "Silvers" Johnson in his original midget car and trailer act. Johnson has been a sensation wherever he has played in the United States and the Exhibition Board is particularly happy at booking him for this year's Stampede.

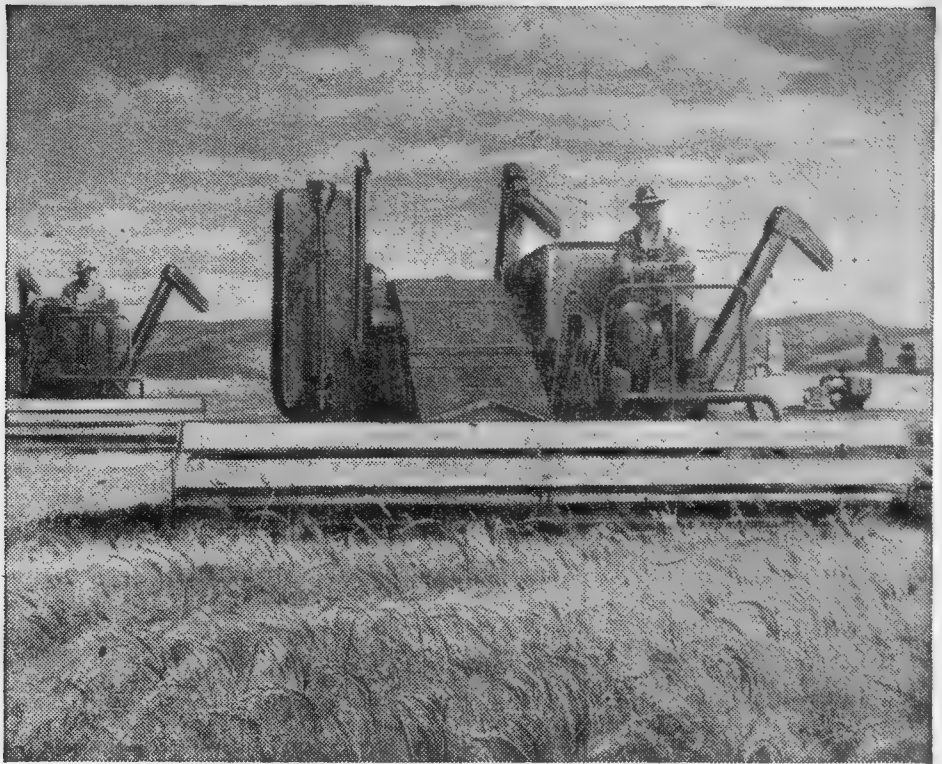
In addition to the big evening stage show and the Chuck Wagon Races, there will be a monster fireworks display every evening. This has been one of the real highlights of the whole exhibition for the children and this year a special effort is being made to provide the most spectacular demonstration yet.

Oh, yes, the date — July 9th to 14th!

## Canada thistle was once valuable garden plant

CANADA thistle, one of the country's most serious weed pests, was once considered a valuable garden vegetable. Introduced in Canada by the early French missionaries, this plant was cultivated by the pioneers and part of it used as a form of yeast in bread baking, states C-I-L Agricultural News. From row planting in early-day gardens, it soon spread into hay meadows and became a general nuisance in cultivated crops. Today, it is being successfully controlled by the use of the selective hormone weedkiller 2,4-D.

# MASSEY-HARRIS



M-H Super 27 and Super 26 Combines now have 36 forward speeds. Driver's seat and controls have been further improved for ease and comfort in handling.

## operators report:

- A 66 Acres :: 2,000 Bushels Wheat Combined in 1 day by 1 man.**
- B Only 1% Dockage on Wheat.**
- C 1950 Combining Done in Half the Time at Half the Cost of 1949's.**
- D One-third more Capacity in No. 27 than in No. 21 Model.**

**David Lovatt of Red Deer, Alta.**

"I combined 900 acres with my new Massey-Harris No. 27 Combine. One Friday, just before the rain, I combined 66 acres of wheat which yielded 2,000 bushels."

**E. J. Dubuc, Lorette, Man.**

"Our Massey-Harris No. 26 Combine is very easy to operate, and made a perfect job of threshing. We had only 1% dockage in wheat."

**S. B. Lockhart, Oyen, Alta.**

"I used one of your No. 21 Combines for 3 years, cutting around 3,000 acres with it. This fall (1950) I bought a No. 27, and believe that under my conditions it has one-third more capacity than my No. 21."

**Frank C. Marshall, Vernon, B.C.**

"Last year (1949) I harvested my crop with a 6-foot machine. This year, with my 10-foot Massey-Harris No. 26, I put through more than twice as much in the same length of time. My combining costs have been cut in half."



## Balanced Separation IS THE SECRET OF MASSEY-HARRIS CAPACITY

From cutter bar to straw spreader, every unit is designed in correct proportion for the work it has to do. No units too small, none too big. Grain is fed uniformly into the cylinder by beater in front of cylinder. Travel of straw and chaff behind the cylinder is regulated by a second beater. Straw is thinned out to allow all loose grain to fall through to the chaffer sieve and cleaning screens. Two-directional air fan blows off all chaff and dust.

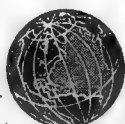


**This Book Gives You Full Details**

Send for a copy of the Massey-Harris Combine Catalogue. Gives you specifications and full particulars of all M-H Combines, self-propelled and tractor drawn.

# MASSEY-HARRIS

A CANADIAN COMPANY WITH



A WORLD-WIDE ORGANIZATION

### CLIP AND MAIL THIS COUPON

MASSEY-HARRIS COMPANY, LIMITED, TORONTO, ONT.

Without putting me under any obligation, please send complete information about the Massey-Harris machines I have marked with an "X" below:

Combines	Tractors
Swathers	All-steel Wagons
Pick-ups	Binders

NAME.....

ADDRESS.....

FRR-651



If *You*  
need  
Ready  
Cash

for   
IMPLEMENTS OR EQUIPMENT

for   
FARM ELECTRIC SYSTEMS

for   
GENERAL IMPROVEMENT

see your  
BNS  
Manager—  
you'll find  
him a  
good man  
to know!

The Bank of  
NOVA  
SCOTIA

BNS

YOUR BANK  
YOUR FRIENDSHIP  
IN BANKING

## We all helped to solve the bird house shortage

By KERRY WOOD

**T**WENTY boys and seventy bird-boxes make quite a combination. Boys from our town's Grade 5 and 6 classrooms gathered in our backyard the other day, where we had assembled bird-boxes for use in a new wildlife refuge recently established near our town. The boxes ranged from tiny wren homes with 1-inch entrance holes up to large wooden nail-kegs adapted for the use of Golden-eye and Bufflehead ducks that habitually nest in hollow trees near the two sanctuary lakes. In all, a hundred and fifty boxes had been built and donated to the new Sanctuary, but we deemed 70 boxes to be a suitable load for 20 boys.

At starting time the smaller boys eagerly seized the lightweight robin nesting platforms and wren boxes, while the big lads proudly tucked a duck-box under each arm. The others loaded themselves with assortments of bluebird, tree swallow, chickadee, owl and purple martin boxes. My own chore was to carry a long ladder and some necessary tools, bringing up the rear of the bird-box parade. In no time at all the burdened boys were strung along three hundred yards of road leading to the sanctuary, the brightly painted boxes in their arms and the colorful cowboy and boy-costumes worn by the carriers making the procession of unique interest.

We re-grouped at the sanctuary entrance. Older boys were given hammers and put in charge of bird-box crews. They were also told a few facts about the proper way to put up boxes: For example, tree swallows like their boxes located at the edge of a clearing, where they can get a clear approach to the box. Both these swallows and bluebirds prefer the entrances to face east. Chickadees like to find their deep boxes amid thick shrubbery, being secretive birds when busy with nesting duties. The robin shelves should be placed in the lee of the prevailing wind, not more than ten feet up from the ground. Duck-boxes had to be nailed to balm trees alongside the lake, from ten to twenty feet up from the ground. The owl-boxes, intended to interest the 10-inch Richardson's Owls that pipe so pleasantly from sanctuary woodlands during the nights of April and May, were to be placed amid spruce trees favored by these nocturnal mouse-catchers.

"Sure thing!" agreed the boys to all instructions, and away they rushed. It seemed as if every boy was yelling at the top of his healthy lungs. You know what boys are like: a boy can't talk to his chum without shouting. A boy can't walk quietly down a woodland path if other

boys are watching: a boy must race and gallop and frolic. He must pick up a stick and bang it against the trees, or point it at friends and yell Boom! and pretend that another Indian bit the dust! All twenty of those boys behaved like normal boys, and loudly.

Naturally, the resident wild creatures of the sanctuary thought their final hour had come, despite the fact that our invasion was a friendly one and we were actually bringing the birds 70 new nest-boxes. I could hear the shrill screams of Blue Jays, the sharp peenk notes of Hairy Woodpeckers, the metallic chirps of Juncos, the softer but worried notes of robins, and the quacking alaums of ducks on the waters of First Lake. I saw Song Sparrows dodge into the screen of willows, the bright flash of Yellow Warblers as they took to cover. Flickers sped away from a dead stump where they had been drilling, while the bubbling songs of Ruby-crowned Kinglets quickly stopped as the boys raced deeper into the woods.

### Young Tarzans

Before long, you could hear the banging of hammers as the first of the boxes were put up. Then the verbal fights started, because each boy wanted a turn with the hammers and, of course, every one wanted his turn right away. There were only two ladders available, but nimble boys shinned up poplar trees and swung perilously from balm branches, shouting that they were Tarzan of the Apes.

"You look more like an Ape!" their friends yelled back.

About that time, some boys wanted to know where were all the birds and animals who lived in the sanctuary? They'd seen

### Marooned



This is Georgie Krohn giving a good imitation of the three men in the tub. His mother, Mrs. J. R. Krohn, Rorketon, Man., sent us the picture and won a prize of \$3.

a few chickadees, a harassed robin, and the ducks could be sighted at the far end of the little lake. Where were the others? They wanted to study nature at first hand, but where had nature gone?

Shrubs and trees were firmly anchored to earth and could not run away from our invaders, so it seemed pertinent to identify the Black Alder shrub and tell them how Indians made a spring tonic from its bark. A solution from the bark of aspen poplars was used for tanning buffalo robes, while Cree and Blackfoot Indians of the West utilized the straight, thick wands of rayine-growing saskatoons to fashion their best hunting bows. Wintergreen was identified, the twisty vines of Purple Clematis, and that old pouch nest on top of a poplar had cradled a family of orange and black Orioles last year.

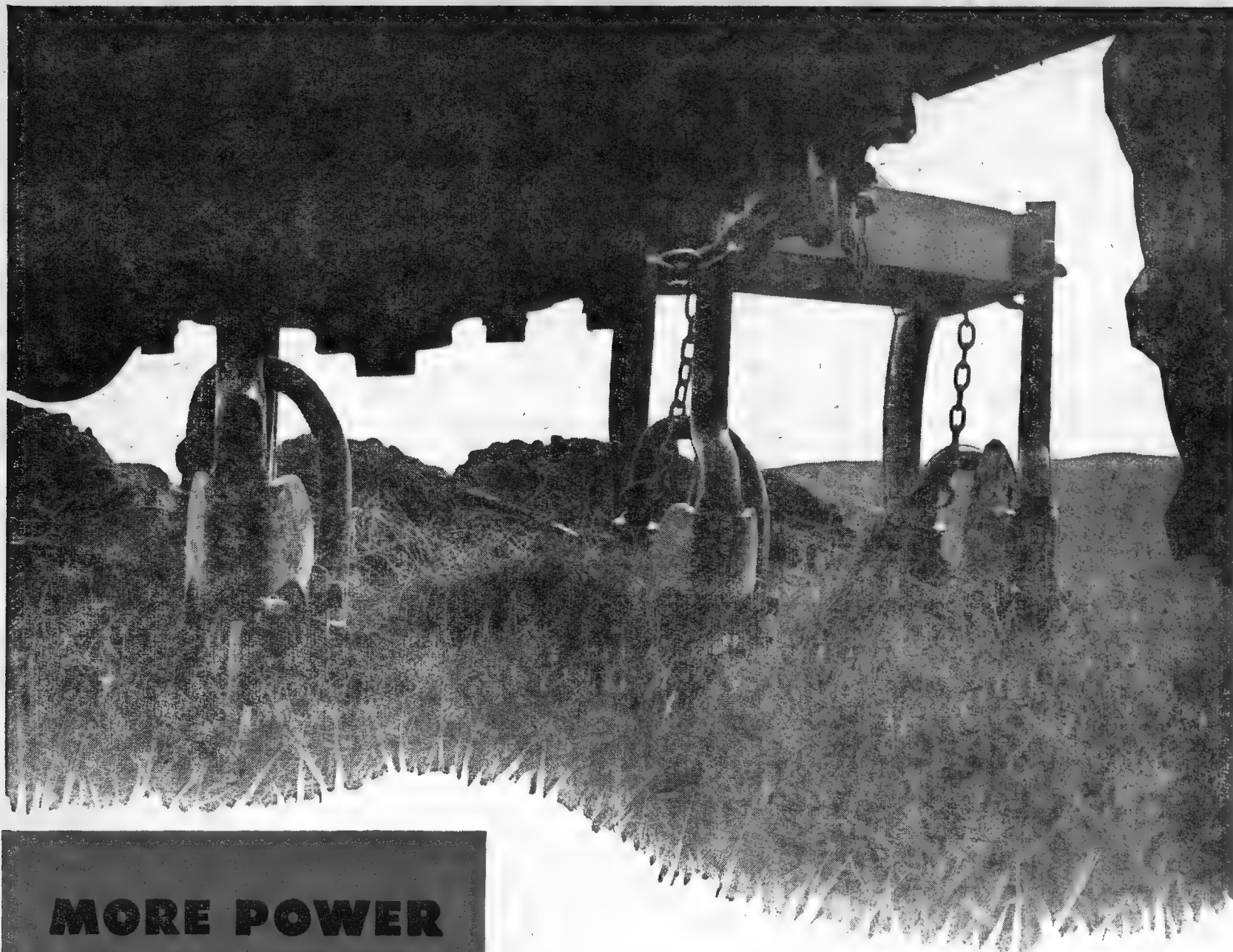
### Gopher Stew

We came to a sunken area that had once been a gravel pit, and it developed that the younger boys had a fearful dread of the place: among their gang, it was known as an Indian Graveyard and was supposed to be haunted. I showed them where an Indian friend of mine used to camp many years ago, telling them how he'd invited me to dinner one day and thus gave me my first and only taste of stewed gopher! This same Indian, a kindly old man always willing to spare an hour's woodcraft instructions to an eager boy, took me to the sand-flats nearby and there gave me my first practical lesson in animal tracking. We found the fresh spoor of a deer and tracked it into the nearby creek ravine, where the Indian rightly judged it would be feeding on birch browse and deftly led me to a look-out spot from which we could spy on the unsuspecting doe.

We went along a disused trail on the far side of the old Indian camp, and there a partridge flushed suddenly from the brown leaves of the forest floor. Most of the boys heard the thunder of its wings, but only a few suspected my interest in tree bases right then. I made all the boys stand still while I carefully toured the immediate district and located the nest. Extracting a promise that they would not come back and bother the nest, I cautiously removed the screening leaves from the small hen-like eggs and gave the boys a look. They Oh-h-h-ed and Ah-h-h-h-ed, quite pleased with the little discovery.

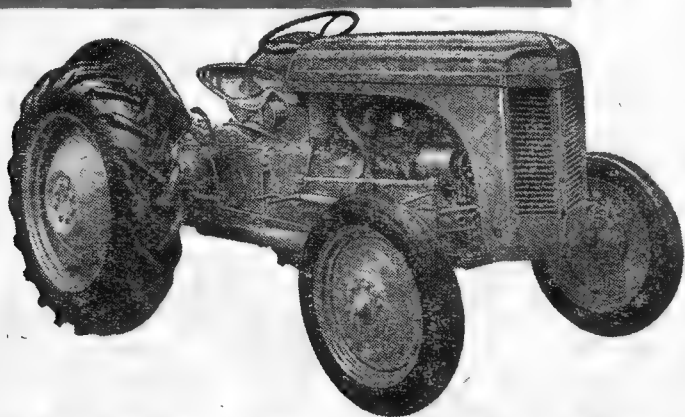
A few minutes later we tackled up the final bird-box, then revisited another box put up by one of the tree-climbers—he admitted making a slight mistake and nailing the box upside-down! However, seventy bird-boxes were now scattered throughout the Sanctuary for the use of its feathered residents, while twenty boys noisily withdrew from the quiet woodlands and eagerly went home to their suppers.





**MORE POWER  
THAN EVER**

*for jobs like this!*



Those three bottoms are being pulled by a *Ferguson* . . . the lowest priced tractor sold in Canada that can do jobs like this!

Go watch this tractor. See it do jobs ordinarily requiring bigger, heavier, more expensive machines. See how *easily* the Ferguson does them with the increased power of its great engine.

Ask your Ferguson Dealer to tell you about this new engine . . . about the higher compression that provides more power and saves on fuel . . . about the improved design and stronger construction that give longer wear and save on repairs.

And ask about the Ferguson System . . . that revolutionary Ferguson development that keeps the front end down . . . that transfers weight to provide extra traction when needed . . . that speeds implement attachment. Get facts on the built-in hydraulic mechanism that controls working depth and the finger-tip control that changes working depth or raises and lowers implements.

**STEP UP FOR YOUR "SHOWDOWN"!**

Ask your Ferguson Dealer to stage a "Showdown" Demonstration for you right on your own farm. He'll gladly match the Ferguson Tractor with Ferguson System Implements against any other tractor you may be considering. He'll prove to you, on your land and your jobs, against any competition you select, that the Ferguson is the best tractor your money can buy. Harry Ferguson, Inc., 3639 E. Milwaukee Avenue, Detroit 11, Michigan.

Copyright 1961 by Harry Ferguson, Inc.

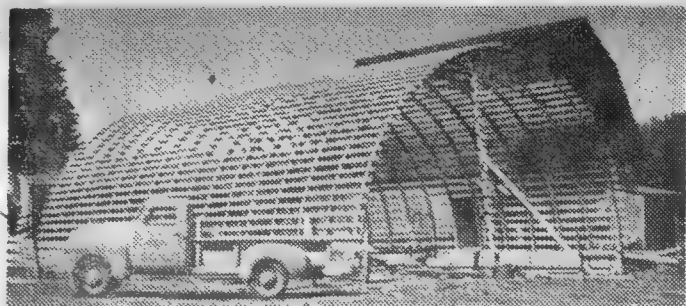
# FERGUSON TRACTOR

AND FERGUSON

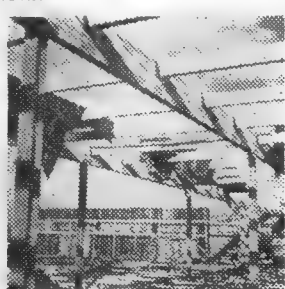


SYSTEM IMPLEMENTS

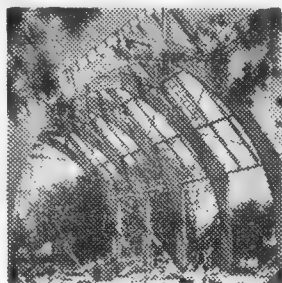




INDUSTRIAL OR FARM BUILDING NO LONGER A PROBLEM if you use our sturdy, economical, easy-to-erect, glued laminated arched rafters.



WHY USE STEEL when glued laminated beams are obtainable. Glued laminated beams are superior and cost less.



FOR BEAUTIFUL MODERN CHURCH CONSTRUCTION these arches are unsurpassed. Engineered to suit all types of church architecture and in any size you require.

### "ARCH TECO" BOWSTRING TRUSSES

Spans up to and over 200 feet available



Glued laminated beams, church and auditorium arches.

Our products are unconditionally guaranteed if assembled and erected according to instructions.

**TIMBER BUILDING CO. LTD.**

1000F — 10th AVENUE WEST, CALGARY

Office Phone 47355

Residence Phone 72113

Renew Your Subscription Today

# WOOL

CAREFUL WEIGHING  
RELIABLE GRADING

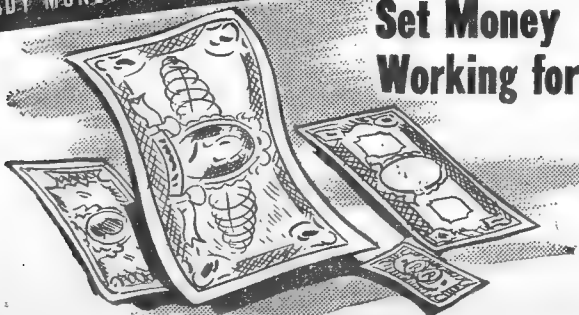
For experienced marketing—ship your wool to the "Growers' Own Organization". Careful weighing . . . prompt individual attention . . . and reliable grading are assured.

Ship to your Local Affiliated Association or Branch

Sacks and  
twine on  
request

CANADIAN WOOL GROWERS LIMITED  
CO-OPERATIVE TORONTO  
AFFILIATED ASSOCIATIONS IN EVERY PROVINCE W

READY MONEY FOR THE GO-AHEAD FARMER



Set Money  
Working for You

Whenever money is needed for any sound purpose, that is the time to come to the BofM. See your nearest BofM manager today.

Ask or write for our folder:  
"Quiz for a Go-ahead Farmer."

**BANK OF MONTREAL**

working with Canadians in every walk of life since 1817



AD25

## What shall we do if the world's end is coming?

By FRANK S. MORLEY, Ph.D., B.D.

THERE is a dreadful passage in the last chapter of Peter's second letter. He describes the sudden coming of "the day of the Lord as a thief in the night". In terrifying words he tells us that "the heavens shall pass away with a great noise", the very elements shall melt with terrible heat, and everything on the earth shall be burnt up. The stars and sun will burn into dissolution.

Down through the ages men have thought their times most dreadfully wicked. Calvin and Luther thought the age of the Reformation was "Satan's own". In 1806 William Pitt said, "There is scarcely anything round us but ruin and despair". The great reformer, Wilberforce, said in 1801, "I dare not marry — the future is so unsettled". The Duke of Wellington in 1852 was glad to be dying so that he would "be spared from seeing the consummation of ruin that is gathering about us". There are ancient writings from before the time of Christ to the same effect.

### World Destruction

NEVERTHELESS Peter's words have more application and possibility for our age than any preceding period. Two scientists, a British and a German, working together in 1929, discovered that the sun and stars shine because hydrogen gas changes into helium. It was later discovered that by the same process a bomb could be made a thousand times stronger than the atom bomb. It would be of almost unlimited destructive potential. Undoubtedly man has at last the power to destroy the race and perhaps even to burn up his world.

Peter, indeed, had no doubt that these frightful events would finally come to pass and he asks, "Seeing then that all these things shall be dissolved, what manner of persons ought ye to be?"

A great fatalism possesses many people, a despair which feels that we can do nothing about events. Therefore they say we should eat, drink and be merry for tomorrow we die. In many people this fatalism expresses itself in a surrender of responsibility. As Lippmann said of Nazi Germany: "It welcomes manacles to prevent its hands from shaking".

We see a growth of insanity, especially in the cities, which sociologists attribute to "the social disorganization of our times", but which could be better blamed on the relentless activity and staccato drum-beat of din which pound the brain and rack the nerves. Thrift and industry are discarded words. Our suicide curve is violently on the up-grade. The doctrine of "to-

tal depravity" — that there is something of sin in everything we do — appears most reasonable now. Who could read such a book as Gunther's "Inside the Iron Curtain", or the story of German concentration camps, or follow the Korean atrocities without saying that the human race was more diabolically wicked than the ancient barbarians dreamed?

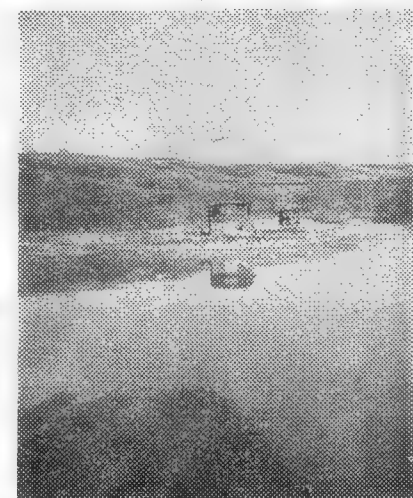
"What manner of persons ought we to be?" Certainly different from these I have described. We should be strong for Isaiah says, "They that wait upon the Lord shall renew their strength". We should be at peace because, as the same prophet states, "Thou wilt keep him in perfect peace whose mind is stayed on Thee." The most comforting, strengthening words I know (wonderful words for the beginning of a day or just before bed at night) are from Paul's letter to the Church at Rome, "We know that all things work together for good to them that love God". Moffat has a superb translation, "We know that those who love God, those who have been called in terms of His purpose, have His aid and interest in everything."

### Faith Counts

WHAT a comforting faith which enables us to look at the whole world with its tragedy and wickedness and yet remain unafraid and vital! It was said of Jesus that He was "the greatest believer who ever lived". Wherever Jesus found faith, He believed all things to be possible. Wherever it was lacking, the very virtue seemed to dry up within Him. Faith was the keyword to life. It was the life of God in the soul. It was stronger than the atom bomb. Faith made people well, made them "whole", restored their sanity, raised their beloved from the dead. People with a faith are dynamic people.

We should also be people with

### Alberta Highway No. 13



This is what happens when engineers don't high-grade their highways. Mrs. P. A. Carmichael of Loughheed, Alta., sent us this shot from the Battle River area.



a purpose and that purpose must be God's. We should choose the purpose of God as a master-plan of our lives. He has some special work for each one of us—"nothing walks with aimless feet"—and has brought us into life with an object. Thus Jesus prayed, "Nevertheless not my will, but Thine, be done". Thus Dante said, "In His will is our peace". A woman went to a famous psychiatrist and told him, "If only I knew my life had some purpose and plan, there would be no silly talk about my nerves". The whole intent of life is to discover what purpose God has for us and to get into harmony with His desire.

We should not only be people of faith and people with a purpose, but we should be people with courage. I do not believe we ever amount to much until we have got a vision of how great life might be and cling to that vision. For example, whenever I think of Christ on His Cross I feel stronger. Here is the most courageous example of human greatness the world has known.

Once a friend of mine sent me a card with the words on it, "I will make beauty a shield against despair". That is a fine motto. Whenever I feel "blue" I drive down south and look at the mountain ranges that rise out of the foothills and with snow-white caps pierce the clouds and kiss the sun. Or I go away to God's nature to watch the green grass and the bright flowers and the silver sparkle of clean, leaping streams.

But when I feel a despair grip me it is far more strengthening to go to the Red Cross Junior Hospital and see the joyous courage of little children. Or to remember an Air Force lad in a hospital. His young wife came to me and asked me to visit him because he had broken his back and would probably never walk again. I wondered what to say to him: what do you say to a youth who has broken his back? I need not have worried. He was full of happiness. His Air Force buddies had given him a radio. It was a splendid radio. "It was good of them to think of me! Wasn't it wonderful?" he asked with sparkling eyes. Yes, I agreed it was wonderful, but I wasn't thinking of the radio. Such memories make me brave again. Put me back on my feet. One just can't quit and play the coward.

Finally, to answer Peter's question, we should seek God in everything. To do that we must have stated times of worship and prayer. The root of the Hebrew word "Sabbath" means "Stop what you are doing". So we should have spiritual sanctuaries to which we can retreat and where we can commune with God.

All things will pass away some day. There will be a climatic end of our existence. It may be soon; it may be distant. But God's word never passes away.

# BEFORE YOU BUY ANY COMBINE

Be Sure To See The Great New  
**COCKSHUTT**  
SELF-PROPELLED COMBINES  
with the revolutionary  
**"DRIVE-O-MATIC"**  
ALL-SPEED TRACTION DRIVE

**A speed for every  
need at a touch  
of your foot!**



Brand new... all new... COCKSHUTT "DRIVE-O-MATIC" Variable Speed Traction Drive now gives you a *perfect ground speed* to keep your Combine operating at maximum capacity—under all crop conditions—*without affecting the speed of the threshing mechanism of the combine in the slightest*. You combine better! You combine faster! No plugging! No overloading! No time lost and no wasted grain!

By a slight forward or backward pressure on a convenient foot pedal you select that "just right speed" within any gear range of the 4-speed transmission, from a crawl of  $\frac{5}{8}$  m.p.h. to 9 m.p.h. It's as simple as that and what is more, you don't have to keep your foot on the pedal. Once you have reached the speed selected, "DRIVE-O-MATIC" holds that speed automatically, you need only touch the pedal when you wish to change speed.

★


THE GREATEST ADVANCE IN COMBINE  
ENGINEERING IN YEARS... TEST DRIVE A NEW  
COCKSHUTT "DRIVE-O-MATIC" COMBINE BEFORE  
YOU BUY YOUR NEXT HARVESTER COMBINE!!

**'SP-132'**  
**'SP-137'**

WITH NEW "DRIVE-O-MATIC"  
VARIABLE SPEED TRACTION DRIVE

- ★ Exceptional Threshing and Separating Capacity
- ★ Choice of 2 body capacities 3 header widths
- ★ Instant Acting Header Lift
- ★ New big 16.00 x 16 airplane type combine tires
- ★ Plus many other, new, important features.

**Make more... Save more  
with COCKSHUTT...  
the complete line!**



**COCKSHUTT  
FARM EQUIPMENT**

• There is a Cockshutt dealer near your farm

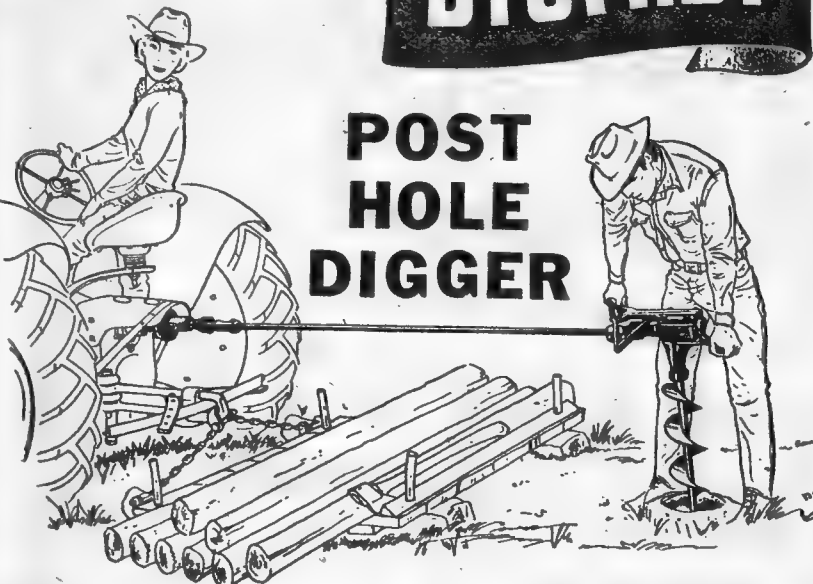
**PARTNERS OF THE CANADIAN FARMER FOR 112 YEARS**



Dig Post  
Holes Better,  
Faster with...



## POST HOLE DIGGER



### FAST!

Fences 2 miles a day. Attaches in seconds.

### SAFE!

Built for hard usage. Slip clutch protects man and machine when hitting rocks, etc. THOUSANDS IN USE ACROSS CANADA.

### DIGS HOLES ANYWHERE!

No tractor juggling or unhooking stoneboat to dig holes on slopes, in corners, snug to fences, in gravel ground. Telescopic drive shaft and universal joints allow a 50 degree swing in 4' x 8' area.

**36** inch size **\$85.00**

40-inch size \$88.00

Money Back Guarantee

### FITS ANY POWER TAKE-OFF

Comes in 36" and 40" lengths with 4" or 6" augers. Bits for 4 1/2", 7" or 8" holes. SEND FOR FREE BOOKLET.

### EXTRA HARD-FACED

### BITS \$3.00

When ordering be sure to send name of tractor and spline size.

### BUY DIRECT — WRITE TODAY TO —

RANCH AND FARM SUPPLIES, 1137B - 11th St. E., Calgary, Alta.  
Phones: 55124 - 55807

I am enclosing \$\_\_\_\_\_ for \_\_\_\_\_ inch Digfast equipped with \_\_\_\_\_ inch bit. Name of tractor is \_\_\_\_\_ Size of spline \_\_\_\_\_ and send me \_\_\_\_\_ extra bits at \$3.00 each.

NAME \_\_\_\_\_ ADDRESS \_\_\_\_\_  
We ship C.O.D. If Desired

## Who is a farmer under income tax laws?

By J. R. McFALL

THE Dominion Government in implementing taxation based on income has enacted regulations so as to best fit the peculiarities of the various businesses and sources of income. Some are comparatively simple. Others are more complex. Often an individual's interests may be varied. This fact brings up the question, Who is a farmer under the income tax regulations and when is he entitled to use the regulations in full as they effect farming?

I suppose a fair definition would be — an individual who through the use of land raises crops and livestock and who depends upon the revenue from the sale of these commodities to supply him with the necessities of life.

As every farmer knows his business is fraught with many hazards. Hail, drouth, frost, disease and pests can reduce what might otherwise be a neat profit to a heavy loss. On the other hand if nature smiles kindly the rate of return can be high. These features apply with greater force in some areas than in others. They are, however, sufficiently wide spread and recognized to the extent that the Dominion Government in implementing the income tax policy recognizes these facts in their regulations.

To offset the extreme fluctuations of income the farmer is allowed to average his net returns over a period of 5 years. Of course he must file his statement each year and if taxable make payment on the basis of the taxable income for that

year. But at the end of any five-year period, he may if he so desires, average out his income over that period and if he has over paid will be entitled to a refund.

A second feature is that of transferring an operating loss to years of profit. As an example in point, we can say that if a farmer had an operating loss in 1950 he could re-open his 1949 statement, providing it showed a profit, and charge the loss to that year. If 1949 profits would not cover the loss he could carry it forward to 1951 and succeeding years until it had been absorbed by the profits. There is one exception to the rule. If the 1949 account had been included in a five-year averaging period, it could not be re-opened to absorb this loss.

These features are fair and just to the individual who depends on the farm as his chief source of income from which he derives his livelihood.

If the regulations are not fully understood, they could entice other business men to venture in the farming game, with the thought in mind of reducing his taxable income should he have a bit of hard luck in his farming venture. In this way he would eliminate some of the speculation. Such is not the case. The act states specifically: "The income of a person for a taxation year shall be deemed to be not less than his income for the year from his chief source of income." In other words, the operating loss of any sideline

## SPRINKLER IRRIGATION

# -Your Pipeline To Profit

BETTER PASTURES

BIGGER CROPS

LESS LABOR

UTILIZE SLOUGHS, CREEKS, DUGOUTS

Why risk waiting for rain? Why suffer crop failures from drought? With A-M portable sprinkler irrigation you can utilize a pond, creek or dugout and get EXACTLY the amount of water you need — when you need it—where you need it.

GET BIGGER CROPS — BETTER PASTURE

Whether it's a wheat field, a pasture or a garden you want to irrigate depend on light, easily moved Anderson-Miller Aluminum Sprinkler for the most efficient economical operation.

A CANADIAN "TAILOR-MADE" SYSTEM

The famous Anderson-Miller line is wholly manufactured in Canada. And Anderson-Miller is the only company that maintain a staff of Agricultural Engineers to design, install and service a system "tailor-made" for YOUR farm. Learn why 60% of the farmers choose A-M for bigger profits. Send for FREE pamphlets.

WRITE US TODAY.

## SPRINKLER IRRIGATION & EQUIPMENT CO. LTD.,

767 - 9th AVENUE E., CALGARY, Alberta





can not be recovered in part by deductions from his chief source of income.

Possibly we should underline the phrase "chief source of income". Do not confuse this with the amount of income. A farmer under some circumstances may not have any net income from his farm and may be forced to seek other sources of income during the off season. This would not in any way effect his status as a farmer. On the other hand it is quite possible for an individual to receive at one time or another the major portion of his income from farming operations and still not be classed as a farmer.

There are undoubtedly border-line cases that may be difficult to judge. But facilities are available for any individual with a grievance to appeal the decisions of the Department.

## How to shear a sheep

**T**HE following suggestions, based on results of practical tests carried out at the Experimental Station, Lethbridge, Alberta, are made to assist the wool grower in improving the value of his wool clip.

1. Use a solid board platform on which to shear. Every effort should be made to keep it clean at all times.

2. Use slatted floors in the holding pens. This permits manure to pass between the slats thereby keeping the wool clean while the sheep are being held for shearing.

3. The actual handling and tying of each fleece as it is shorn from the sheep should be delegated to one man (or more as required, depending on the size of the crew). Prior to tying the fleece remove all manure tags from the rear part of the fleece and any portions found to be excessively burry, chaffy, or strawy.

4. Fold the fleece in such a manner that when it is rolled from breech to neck it will present a compact and attractive package with as much as possible of the more desirable shoulder wool exposed.

5. Tie the rolled fleece with paper fleece twine. Never, under any circumstances, use binder twine for this purpose.

6. Pack the fleeces and tags as well as locks and pieces in separate sacks.

7. Do not shear when the sheep are wet and do not pack damp wool. Damp wool will heat and cause serious losses.

8. Black sheep should be shorn after the main band and their fleeces should be packed separately.

9. In the event that the wool is not shipped immediately it should be stored in a dry, cool place.

10. Use only reputable sheep branding fluids to identify the band. To reduce the amount of wool covered with paint use as small a brand as possible and use the marking fluid sparingly.

**YOU'LL NET MORE MONEY**

**FROM EVERY HARVEST**

**WITH A John Deere Combine**



**C**OLLECT A BONUS in extra grain savings every trip around the field with a big-capacity John Deere Combine. In John Deere's grain-saving fleet, there's a dependable combine for you—one that will save more of your grain or seed, reduce harvest costs, and net you more money from every harvest.

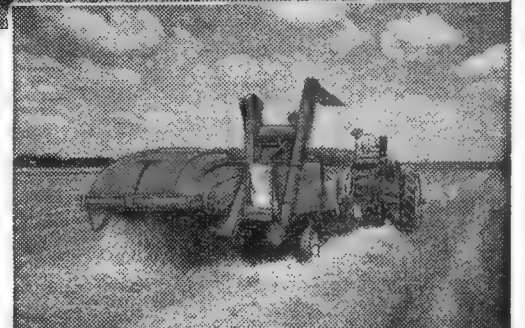
### TREMENDOUS CAPACITY

The outstanding feature of all John Deere Combines is their tremendous capacity. Feeding, threshing, separating, and cleaning units have extra capacity to guard against slugging or clogging even in the heaviest crops. Every inch of space is fully utilized to save more of the crop.

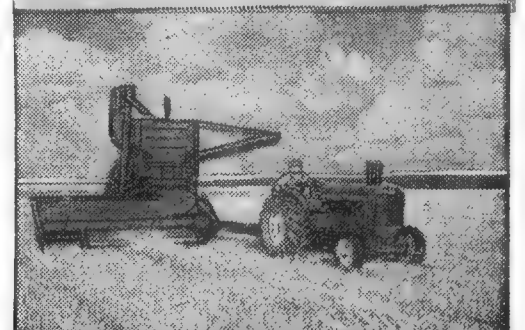
Handy controls make John Deere Combines easy to operate. What's more, simple, easy-to-get-at adjustments quickly adapt them to your particular crops and conditions.

In addition, John Deere Combines are rugged performers that stay on the job season after season. Better design, materials, and workmanship reduce time losses and lower upkeep costs. The extra years of dependable, grain-saving service you get in a John Deere more than pay for any one of these combines.

See your John Deere dealer. Mail coupon below for free literature.



Pictured at top is the 12-foot John Deere No. 55 Combine—leader of the self-propelleds. Pictured above is the 6-foot John Deere No. 12-A Full-Width, Straight-Through Combine for smaller acreages.



Shown above is the 12-foot John Deere No. 65 Combine—the only truly modern, large pull-type combine in the field. Grain-saving, spring-fingered belt pickups are available for all John Deere Combines.

### MAIL THIS COUPON TODAY!

Please send me free folder on the

- ☐ John Deere No. 55 Self-Propelled Combine  
☐ John Deere No. 12-A Six-Foot Combine  
☐ John Deere No. 65 Pull-Type Combine

Name \_\_\_\_\_ R.R. \_\_\_\_\_

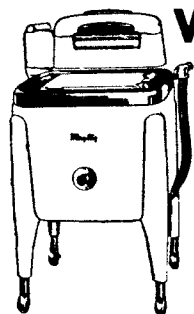
Town \_\_\_\_\_ Province \_\_\_\_\_

(Send this coupon to branch house nearest you.)



**JOHN DEERE  
PLOW CO., LTD.**

Calgary • Regina • Hamilton • Winnipeg



## WASHERS, REFRIGERATORS STOVES and VACUUMS

In many leading makes

—MAYTAG, McCLARY, NORGE, INGLIS,  
EUREKA at Pre-Budget Prices.

Buy where maximum value is guaranteed and service  
is assured.

**The Alberta Appliance Co. Ltd.**

329A -7th AVENUE WEST, CALGARY, ALBERTA  
Phone 22545



## This one simple step gives you a share in more than 101 securities

Yes, a single investment in Investors Mutual makes  
you part owner in Canadian industries—offers you a  
real "hedge" against inflation—and gives you a handsome  
return on your money.

Through Investors Mutual you obtain a share in more  
than 100 securities—diversified as to industry and provinces.  
You don't need to take the risk of buying a small number  
of shares of a few stocks—and hoping for the best.

Through Investors Mutual you obtain the advantages of  
constant, expert investment management—broad diversi-  
fication—continuity of income—  
immediate marketability—and excellent profit possibilities.

For complete information on Investors Mutual touch  
with your Investors Syndicate representative near you.



Available exclusively  
through Investors Syndicate  
representatives  
from coast-to-coast



## Get out of Korea

To the Editor:

In answer to the many letters  
pinning my ears back, I am  
sorry to have excluded the  
South Korean divisions in my  
letters to the Editor in February  
issue of the Farm and Ranch  
Review.

In Churchill's speech in April  
of this year, he stated that 90  
per cent of the troops in Korea  
were Americans, and 19 out of  
20 casualties (excluding South  
Korean troops) were Ameri-  
cans.

U.S. casualties in the last two  
world wars 1,313,374 plus over  
64,000 in Korea to date. There  
is a world war debt owed United  
States of \$16,129,875,951.20.  
And extended to foreign coun-  
tries by the U.S. July 1, 1940, to  
June 30, 1950, is \$80,142,000,000,  
that is a few casualties and a  
little dough in any man's lan-  
guage.

Will the Chinese admit defeat  
in Korea? I think they will,  
when Stalin has killed off  
enough of them by the war in  
Korea, or if they refuse to fight  
without a sizeable amount of  
Russia's planes and armies,  
which Stalin will not give  
either, then he will tell them to  
withdraw into Manchuria and  
admit they are aggressors.

What will the U.N. have  
gained? Nothing. We have  
lost a few hundred men, plus  
the high cost of war. Joe can  
then say, now U.N. rebuild  
Korea, and he will start another  
war for us elsewhere, without  
cost to him. If we need time,  
wouldn't it be better to evacuate  
Korea and draw back to Japan.  
We could deal the Reds more  
casualties, if they tried to cross  
the strait, with lots of casualties  
of our own.

Tony De Cock.

Minneota, Minn.

## Gog and Magog

To the Editor:

It is to be noted that your  
Dr. Morley's sermon in current  
issue refers to the Ezekiel prop-  
hecies regarding Gog and Ma-  
gog.

He, like many others, assume  
that the prophecies by that  
writer are the fulfillment as Ar-  
mageddon within current times,  
following the second coming of  
Christ.

The sermon shows poor study  
of the history period of this pro-  
phet, and his vision, as well as  
contemporary history of that  
period, which is available from  
other sources — which many re-  
ligious teachers should know,  
and do not.

Ezekiel chap. 1, verse 2, dates  
this version as in the fifth year  
of Jehoiachin's captivity —  
which places it in the fifth year  
of the reign of Zedekiah—there-  
fore five years before the de-  
struction of Jerusalem, which is  
dated B.C. 584.

This vision therefore occur-  
red in B.C. 589.

The importance of this date is  
connected with the identity of  
the peoples called Gog and Ma-  
gog, and in particular where  
these people were at this date.

In Josephine, Antiquities of  
the Jews — page 40, it will be  
read, that Magog, descendent of  
Gomer, son of Japhet—was the  
progenitor of THE SCY-  
THIANS.

To bring this fact into proper  
focus, students of the history of  
this period, will find in The His-  
tory of Herodotus, that the Scy-  
thians tyrannized and ruled  
over Asia for 28 years.

This 28 years occurred during  
the reign of Cyaxeres who, for  
40 years, ruled Media.

These Scythians attempted an  
invasion of Egypt, and were  
bought off by Psamtek 11, who  
only reigned for five years be-  
tween B.C. 593 and B.C. 588.

By checking these dates it will  
be noted that the prophecies  
directed against Magog — or  
The Scythians, was made  
against an invading dynasty at  
that time tyrannizing the people  
then living in the districts being  
over-run.

To believe this prophecy di-  
rected against these people 2,540  
years later — would be equiva-  
lent to predicting what would  
happen to Stalin's Russians in  
the year A.D. 4490.

What happened to them —  
was not the dire horrors that  
had overtaken Senacherib's  
army—but a massacre schemed  
by the above mentioned Cyax-  
eres, who enticed the Scythian  
army into a drinking orgy, and  
killed them all while drunk.

Cyrus, The Persian, who was  
related to this Cyaxeres used  
similar tactics about 50 years  
later against Messagetes.

Josephus' work can be got  
from Winston & Co., Toronto.

Heradatus, Everybody's Li-  
brary—Dent Sons Co., Toronto.

Victor T. J. Twigg.

Hughenden.

## The Trinity argument

To the Editor:

I have read Dr. Morley's ser-  
mons in your paper and have  
found them just like all other  
sermons you read in papers,  
there is nothing in them. They  
could not be anything else when  
they worship a God in three per-  
sons which was hatched at the



council in Nice in the year 325 by the clergy of that day.

Three persons were never mentioned or thought of in the apostles' creed. That dogma has perverted the whole Christian church. The apostles worshipped Christ as God, it is forbidden to worship anyone but God. Three persons also makes three Gods which breaks the first commandment. The Word was God and was made flesh is the son of God born in time not from eternity.

It was God Himself who put on the natural body and made Himself visible to man united as soul and body, the soul of Christ was God one person. As He said Himself, "know ye not that I am in the Father and the Father in me, He who hath seen me hath seen the Father. I and the Father are one, also I am Jehovah, your Redeemer and Saviour, besides Me there is no Saviour. There was no God formed before Me, neither shall there be after Me. I am God and there is none else," which makes it plain that there is no other God than the Lord Jesus Christ.

Wm. Groundwater.  
New Westminster.

## We'll keep punching

To the Editor:

I like your Editorial punch, keep it up. The May issue, "Who Cares About Inflation? Certainly Not the Minister of Finance", Get wise, Ottawa, Canada just begins at Fort William. Regina may make a better Ottawa.

Another Farm and Ranch quote: "To create internal strife, to divide our population, to create animosity where there

should be co-operation and understanding is to weaken this country as it cannot afford to be weakened. That has been the effect of the uninformed writing on the wheat question. Western farmers, who willingly did a yeoman wartime job of production, who took less for their products than they were justified in demanding, were held up to ridicule and contempt. They were cast as characters motivated only by greed, interested only in rooking the taxpayer."

Is it possible for Ottawa to get that through the wax in its ears?

H. P. Hebbes.  
Carseland, Alta.

## Reads the label

To the Editor:

A most inspiring and truthful article appeared in your May, 1951, issue of the Farm and Ranch Review, under the heading of "Read the Label Carefully." How true, indeed, are the facts stated here, but, alas, they are very often ignored by the general public. It's articles like this one that should replace all those phoney advertisements appearing in many newspapers and magazines: "Magic Horse Collars" and massage to "Reduce spots and bumps." Very amusing indeed.

Vicki Sebastian.  
Punnichy, Sask.

## Domestic wheat and the I.W.A.

To the Editor:

Why is it, and, also, who is responsible for the present Canadian Wheat Price being pegged at the I.W.A. level? Both of which are losing us wheat growers another one hundred million dollars per year?

Tom L. Paulson.  
Rochford Bridge, Alta.

## Leopard or tiger

To the Editor:

I have just been reading my copy of your issue of May 12th where two men are holding up the skin of a fine "Leopard"—not a tiger—if my guess is correct.

A. A. Will.  
Maryfield, Sask.


## Who got the money?

To the Editor,

Your editorial on "The Speculator was the Farmer" was very good. I know many of my neighbors did as you said—sold their wheat and bought futures. Others stored the wheat and got a cash deposit on it, lost his wheat and all he could scratch to pay on it. I often wonder who got all this money?

Norman McKeracher.  
Therien, Alberta.

*Easy to Roll*



**OGDEN'S**  
VIRGINIA  
**FINE CUT**  
OGDEN LIVERPOOL

**Delightful to Smoke**

**PREVENT FIRES**

PIPE SMOKERS ASK FOR OGDEN'S CUT PLUG

**MAKES YOUR HOME BRIGHT**



**MARSHALL-WELLS HOUSE PAINT**

Weather-resistant  
—no cracking or blistering

SCIENTIFICALLY IMPROVED TO LAST LONGER

**MARSHALL-WELLS HOUSE PAINT**

24 COLORS

*Beauty*  
BY THE GALLON

P36-51

**MARSHALL-WELLS**  
PAINTS · VARNISHES · ENAMELS

AT ALL MARSHALL-WELLS DEALERS



Farm Improvement Loans may be used to purchase implements, equipment, machinery; to improve farm homes and buildings; for electrification, etc. Up to \$3,000 may be obtained for periods of one, two or more years. Rate is only 5% simple interest.

send for  
it today!

Ask for this booklet at your friendly 'Royal' branch—or write Advertising Dept., Head Office, Montreal.



**THE ROYAL BANK OF CANADA**

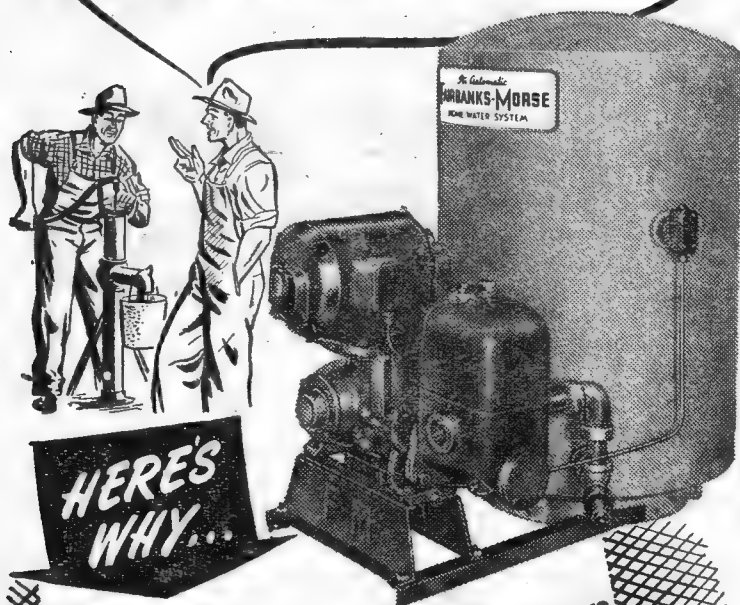
*you can bank on the 'Royal'*

# MACDONALD'S BRIER

Canada's Standard Smoke

Renew Your Subscription Today

*Your Best Buy  
in a SHALLOW WELL  
WATER SYSTEM is  
FAIRBANKS-MORSE*



HERE'S  
WHY...

- Self-priming
- Self-oiling
- Delivers full capacity at maximum pressure
- Double-acting for continuous water flow
- Exclusive two-bearing crank shaft, Hardened and machined
- Fully assembled for easy installation
- All parts precision machined for long wear
- Easy to service



Every Fairbanks-Morse pump carries a tag showing actual delivery of water to the tank, certified by an independent laboratory.

All these features, plus the backing of a company with over 120 years' experience in building mechanical equipment, guarantees a water system that will give dependable, economical service year after year. There's a Fairbanks-Morse Water System, whether for deep well or shallow well use, to supply all the water needed for the largest farm or smallest cottage. Most units come fully assembled for low-cost installation. Your F-M dealer can advise the size and type you need. See him, or write your nearest F-M Branch.



## Fairbanks-Morse

A Complete Line of Performance-Proven Water Systems

THE CANADIAN FAIRBANKS-MORSE CO. LIMITED

Halifax • Saint John • Quebec • Montreal • Ottawa • Toronto • Windsor • Fort William  
Winnipeg • Regina • Saskatoon • Calgary • Edmonton • Vancouver • Victoria

## Restoration



Ruined land is a problem of the nation and a costly one at that. This is another picture of the Boy Scouts at work in Ganarska Valley, Ont., replanting trees in an effort to restore the productivity of what was once one of Canada's most fertile areas.

## That old favorite, Bearded Iris now sports a new look

By H. F. HARP

**B**EARDED or Flag Iris have long been favourites in Prairie gardens. The first plants were probably brought in by the early settlers from Ontario. The old purple "Flag" is often seen thriving in neglected gardens. Modern varieties, however, must have more care and attention or they will not survive the winter. They are worthy of extra care, responding with large flowers of exquisite colourings. A few of the newer varieties will be listed here that have succeeded at the Dominion Experimental Station, Morden, with no special winter protection other than a light covering of clean straw.

Now that the season of Iris bloom is with us we would do well to make plans to extend our Iris plantings including a few of the choice new varieties. Bearded Iris will not stand wet conditions about their roots. A well-drained site must be found affording sunshine most of the day and protection from harsh winds. A well-sheltered Iris bed gives added pleasure because Irises are best observed when there is little or no wind to disturb their poise. The still of a June evening enhances the delicate shades of colour and petal markings.

Bearded Iris may be planted in bold groups in the Perennial Border or whole beds may be devoted to them. The splendid, sword-like foliage remains handsome throughout the season. A few plants of Lythrum "Morden Pink" may be planted among the Iris with telling effect.

### Transplanting Irises

As soon as the plants pass out of bloom the flower-stems should be cut off down to the first leaves. When the heat of mid-summer has passed, old Iris plants may be safely lifted,

divided and replanted. About mid-August is a good time to start operations. The new site should have been prepared previously and a handful of fertilizer (11-48-0) per square yard lightly raked in.

### Sifting the Old Plants

Select the healthiest plants and carefully dig them using a flat tined potato fork. Shake each clump free of soil and clean off all dead and dying foliage.

### Dividing Large Plants

Separate each clump into single shoots each with a strong growth and plenty of young roots. Cut away the portion of old fleshy root attached to each division. The ideal plant for setting out should have a healthy portion of fleshy root (rhizome) with plenty of white roots, a strong shoot with several healthy leaves.

### Trimming and Disinfecting

A pair of scissors or sharp knife is used to reduce the leaves to half their length. It's best to cut the plants to a pyramid shape rather than make a horizontal cut so that the outside leaves get the more severe pruning. After this has been done, all that remains is to dip the plants in a mild solution of permanganate of potash (1 teaspoonful per pail of soft water).

### Planting Bearded Iris

Take out a hole about a foot or so across and about a foot deep. In the centre of this hole a small mound of soil is placed upon which the (rhizome) or fleshy portion of root is placed. The long roots are then spread evenly to each side of the mound of soil, covered with moist soil made firm by pressing the soil about the plant with the foot. One good soaking of water



will carry the plants until autumn rains come. A properly set plant will have the rhizome just below the surface of the soil. Deep planting encourages attacks of disease and postpones satisfactory flowering. If the deep-set plant does not fall victim to root-rot it will gradually right itself in a year or so. Old established Iris plantings will be noticed to have masses of super-imposed rhizomes.

Bearded Irises are tolerant of lime soil so that most prairie soils suit them well. Our long days of bright sunshine are perfect for the ripening of the fleshy roots that ensures abundant bloom.

The newer varieties are vastly superior to the old-timers, but, as already mentioned, they require more care. They are worthy of a sheltered spot in our gardens and will respond with a wealth of beauty in delightful new colourings.

The most reliable newer varieties found to date in trials at Morden include:—

**California Gold** — A huge, early, golden-yellow. This one multiplies rapidly and is highly resistant to disease.

**Louvois** — Has large flowers of a deep, rich velvet brown; hardy and vigorous.

**Los Angeles** — A large flowered Iris of great distinction. Colour white with blue pencillings. A prominent orange beard adds to its beauty.

**Elmohr** — Is a huge ruffled red violet. Hardy and multiplies rapidly.

**Sierra Blue** — A tall, well-branched Iris. Flowers are a pleasing shade of blue.

Besides these varieties mentioned here many more are under trial. The varieties listed are inexpensive and if properly cared for will continue to give pleasure for years if we remember to:

1. Choose a sheltered, well-drained, sunny spot for setting out the plants.

2. Don't use organic manure in direct contact with Iris plants. Fertilize plants with a dressing of 11-48-0, or bone meal.

3. Don't plant Iris in the shade of a hedge or shrub.

4. Don't crowd Iris plants — About 2 feet each way should be allowed for their proper development.

#### Winter Protection

Lay on six inches of clean straw in early October. Evergreen boughs or corn stalks should be put on a month or so later to hold snow.

A further list of more choice varieties including real pink tones will be sent upon request and also where they may be obtained.

#### SEASONABLE HINTS

##### Planting Out Tomatoes and Bedding Plants

After the first week of June it is reasonably safe to transplant to the open ground the tender bedding plants and tomatoes. In northern Prairie gardens, however, mid-June is

soon enough. The most important point to remember is never put out plants until they are completely "hardened" to outside conditions. Set out the boxes of plants where they are fully exposed to winds and weather, allowing them to remain for several days. A few hours before transplanting them, they should be soaked with water, preferably soft and not ice-cold.

Properly "hardened" plants do not require "babying" with tin can coverings or shingles.

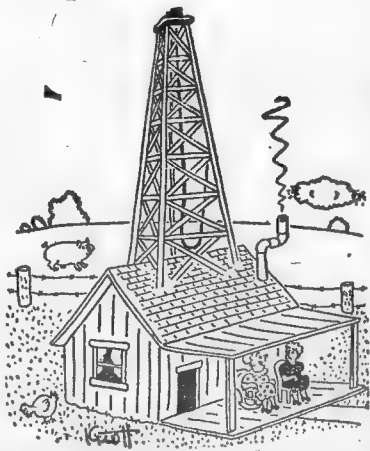
Set the plants firmly in the soil and well water in. The practice of digging a hole and filling with water before setting the plant is not recommended. Set the plant into the hole first — firm the soil about it, leaving a shallow depression around each plant to hold enough water to soak all the roots. After water has been applied and seeped away, draw the dry soil about the plant immediately or the soil will bake.

Tall, spindly plants are best planted in a sloping trench not more than six inches deep at the deepest end. When tomatoes are set deep into the cold soil, growth is checked so that fruiting is delayed.

The tomato is a warmth-loving plant enjoying full sunlight and shelter from cold winds. Complaints are frequently heard of unsuccessful attempts to ripen the fruits in Prairie gardens. Except in the most northerly regions tomatoes may be relied upon to produce ripe fruit in most seasons. Last year's disastrous August frost was exceptional.

We must, however, (1) choose early maturing sorts, i.e., Early Chatham, Bounty, Monarch; (2) plant sturdy stock that is well "hardened". Sickly, puny plants take half the summer to get over the shock of transplanting.

In periods of dry weather, tomato plants should not be allowed to suffer the lack of water if facilities are available for applying it. Once watering has been started, regular and adequate supplies must be forthcoming or trouble from Blossom-end Rot may result. Heavy applications of water to fruiting plants that have endured drought for a period will often result in split fruits.



"We just couldn't bring ourselves to give up the old homestead completely."

**6 THRILLING DAYS**

**Come to the WEST'S greatest outdoor Show!**

**CALGARY EXHIBITION and STAMPEDE**

**JULY 9 to 14, 1951.**

Super Entertainment . . . action . . . thrills, frolic and fun . . . all await your visit to Calgary's world-famous Stampede. Arrange plans now and take in this great show.

★ \$100,000.00 in PRIZE Money  
★ LOW Rail, Bus, Air Fares  
★ RESERVE YOUR SEATS - NOW!

ADMISSION: GRANDSTAND, AFTERNOONS: \$1.00 AND \$1.25; EVENINGS: \$1.00, \$1.50, \$2.00  
ENCLOSURE AND BLEACHER SEATS 75c

Write Stating Number and Price of Grandstand Seats Required Enclosing Money Order and Self-addressed Envelope to

**CALGARY EXHIBITION & STAMPEDE LTD.**  
CALGARY ALBERTA  
J. CHAS. YULE, Mgn. Director. J. B. CROSS, Pres.

WESTERN CANADA'S  
**Greatest LIVESTOCK SHOW**

CHAMPIONSHIP  
SADDLE & BAREBACK  
**BUCKINGHORSE RIDING**  
BRAHMA BULL AND  
STEER RIDING—DECORATING

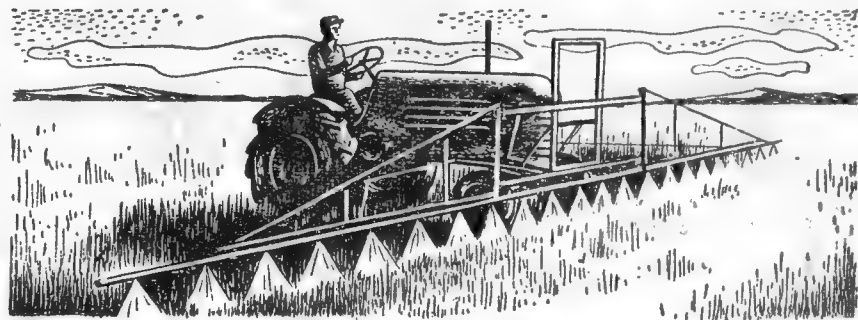
WORLD'S MOST  
THRILLING EVENT  
**CHUCK WAGON RACES**

Exhibits  
**COMMERCIAL & INDUSTRIAL**

**INDIANS** ...  
"INDIAN VILLAGE"  
GLAMOROUS  
**STAGE SHOW**  
VAUDEVILLE  
**FIREWORKS**

**HORSE RACES**  
PARI-MUTUELS  
**MIDWAY**  
FUN RIDES SHOWS

**AUTO SHOW**  
ART GALLERY  
PHOTO SALON  
HOMECRAFTS CULINARY  
SCHOOL CHILDREN'S  
LIVESTOCK REVIEW  
INDIAN WORK



## HOW GOOD IS YOUR PRESENT WEEDKILLER?

Does it Penetrate Fast?

Kill Weeds Quickly?

Give You Sure Crop Safety?

Pay For Itself in Cleaner Yields?

*Green Cross Weed-No-More "80" Does*

*Plus a special formulation proved superior on millions of acres of Canadian Crops.*

**KILL WEEDS IN YOUR CROPS with**



**WEED-NO-MORE "80"**

\*Reg'd trade-mark

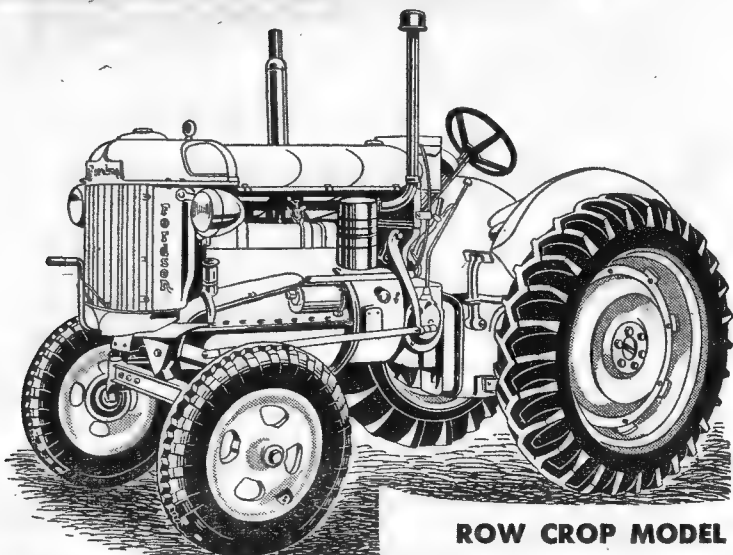
The Greatest Name in Weed-Killers

# FORDSON MAJOR

YOU SAVE  
UP TO  
**\$500.**

**CANADA'S  
LOWEST  
PRICED  
3-PLOW  
TRACTOR**

Low first cost makes the rugged, dependable Fordson MAJOR the outstanding tractor bargain in Canada. Available in six models, there's a MAJOR to meet your particular needs or requirements. You save as much as \$500 and get a big, powerful, proven tractor that is low in cost to operate and maintain. For even greater power and economy, each model is available with six cylinder diesel engine at extra cost.



ROW CROP MODEL



*See your FORD TRACTOR DEALER for a demonstration*

**Renew Your Subscription Today**

## RENN CENTRE DRIVE PORTABLE GRAIN LOADER



### NEW CENTRE DRIVE

Eliminates Costly Repair Parts.

Handles More Bushels Per Hour with Less Power.

Built and Distributed by the Original Manufacturer of Auger Grain Loaders in the West.

Inquire or Order Today from

**PERFECTION MACHINE WORKS Ltd.**

CALGARY, ALBERTA

Fill in This Coupon Now

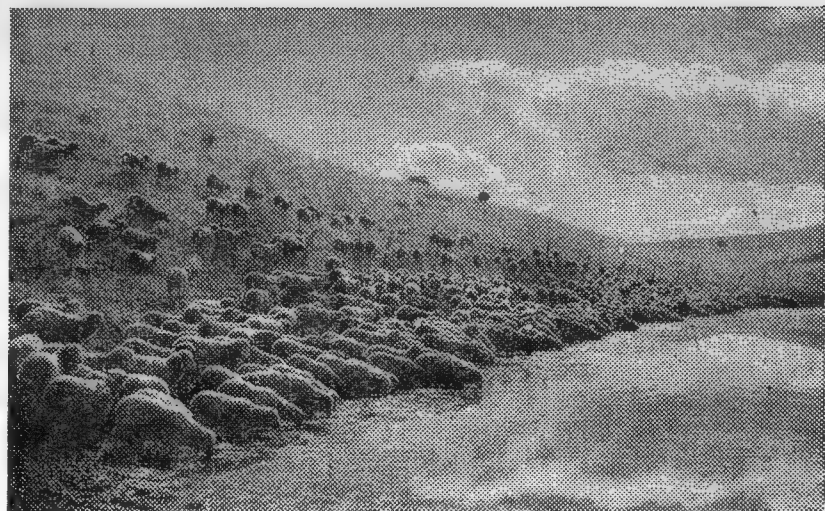
Dept. F.

Please send full information covering the **RENN PORTABLE GRAIN LOADER.**

Name.....

Address.....

## Big Thirst



We like this shot of thirsty sheep in the sunlight. It is from the National Film Board.

## Ever think of raising Guineas as a sideline?

By MRS. ROSA JAMES

**T**HERE is very little about the common hen to remind us that it was once a jungle hen, but the guinea fowl has retained a great deal of its wild nature which is one of the chief difficulties in handling them. They like free and extensive range and if confined in a small space the eggs will not be fertile. Guineaes prefer to roost outside in the trees and on top of buildings; only when the weather is extremely cold will they seek shelter.

An enclosure 150 feet square and 6 feet high located in rough, partly cleared, land where there is some bush, is large enough for about 25 to 30 guineas. A rough shelter should be provided for very cold weather. They may be allowed to roam after three o'clock so they may find the seeds and insects they require. Once they become accustomed to regular quarters they will return at roosting time.

### Noise-makers

Guineas have their disadvantages as well as other birds. They are noisy and for this reason are excellent winged "watchdogs". They are constantly on the alert and will shriek an alarm upon the appearance of any enemy, whether beast, bird or man. They have been known to fight hawks and animal intruders. They will sound a rousing alarm if turkey or chicken house is invaded at night. They have a pugnacious disposition and their noise alarms the smaller birds and will keep them away from fruit trees and bushes. Guineaes do not eat fruit but they have a ravenous appetite for the Japanese beetle. They are by nature meat eaters and will pick up most of their food during spring, summer and fall in the form of beetles, moths, grasshoppers and other insect pests, they do little if any damage to flowers or vegetables, but they should not be allowed in the garden until plants are well

grown because they love to dust themselves and will dig deep holes.

Their eggs are slightly smaller than hen's eggs and beautifully marked with dark brown spots. They lay from 30 to 70 eggs, seldom missing a day and then become broody. If the eggs are removed they will continue laying, at least three eggs should be marked and left in the nest. The male guinea always stays near the nest when the hen goes to lay which is usually about noon or soon after. Where three or four hens are mated to one male they almost always lay in the same nest with their escort standing on guard until the laying period is over. Guineaes do not make good mothers and hens should be used for hatching the eggs. A medium-sized hen can cover from 25 to 30 eggs. Incubation period is 26 to 28 days. Infertile guinea eggs are rare.

The guinea is practically immune to disease and does not carry disease germs to chicken and turkeys. The baby guineas or keets are very bright and alert, if a few are hatched with turkeys they will teach the poults to eat and where to find the warm spots under the brooder.

The shells of guinea eggs are extremely hard. The eggs weigh about 1¼ ounces each; the yolk is large and dark; they have a distinctive and pleasant flavour. They are superior to any other eggs for cake baking, the whites beat up to an almost unbelievable lightness, the yolks are excellent for mayonnaise as they contain more oil than hen's eggs.

Young guineas fetch high prices as fancy table poultry. They are a perfect substitute for quail, grouse and pheasant. At the age of 12 to 15 weeks they should reach broiler size, averaging 1¾ to 2¾ lbs. each.



# Value of sugar beet tops in dollars and cents

(An Ontario Feedlot Experiment)

**W**HAT value per acre would you place on beet tops? Fifteen? Twenty-five? Thirty-five? Up until recently, only guess-work was the basis for estimating the value. Surveys carried on each year by field-men for the Canada and Dominion Sugar Company proved that many farmers placed high values on their sugar beet tops, and were using them in their stock feeding programme. Yet others made no attempt to save tops because they obviously didn't appreciate their feeding value.

Livestock feeders who have fed beet tops realize, by experience that tops have a high protein and vitamin A content, and use tops to replace costly concentrates in their feed rations. Mel Civalier, Dover Twp., recently marketed 26 head of prime quality white faced steers which he had yard-fed on a ration of beet tops, corn and alfalfa. Joe Van Damm, Wallaceburg, pastured 85 head on some 45 acres prior to stabling in December. Smith & Brown Bros., Chatham livestock dealers, not beet growers themselves, purchased 21 acres of tops to help feed 60 head of heifers on their River Road farm in Dover Township. The tops were being put to good use, but no one could say exactly what they were worth, although they could readily state costs of hay, corn, and concentrates.

With the purpose in mind of acquiring a definite value for beet tops, the Agricultural Department of Canada and Dominion Sugar Company decided to carry out a carefully planned feeding experiment on the Company's Wallaceburg farm.

Through co-operation of Prof. J. C. Steckley, director of Ridgetown Experimental Farm, who ably assisted in setting the rations and general planning, it was decided that the experiment should be set up to conform as closely as possible to local feeding conditions.

Tops to be fed were placed in small heaps in the field at harvest time and later hauled to the barn where they were arranged in narrow windrows to prevent spoilage.

A feed lot was constructed by means of a tight six-foot board fence with an open shed as a shelter on one side. The yard was equally divided into two pens. A ten-scale was installed

adjacent to the yard to facilitate a frequent check on weights.

On November 11th, 20 head of two-year-old Hereford steers were purchased from Wm. A. Ellerington, Exeter, Ontario, at an average weight of 1,052 lbs. These steers had been grain-fed and grass-pastured since August 1st and were showing considerable finish.

In order to arrive at replacement value for tops in comparison with grain, the amount of clover fed to each pen was kept constant (10 lbs. per head). Exclusive of salt, no form of mineral or protein concentrate was fed.

On November 24th weights on each pen were recorded and the experiment was conducted through a 60-day period, gains being registered at weekly intervals.

Individual daily rations were as follows:

	Grain lbs.	Tops lbs.	Hay lbs.
Pen No. 1	6	25	10
Pen No. 2	10	None	10

In order to prevent any animal from going off feed the increase to the above full ration was gradual for the first 7 days.

During the first 28-day period, a greater gain was acquired by steers fed the beet tops (pen No. 1). However, at this stage of the experiment a cold snap hit, and for a period of 6 days outside temperatures ranged from 5° F. to 10° F., the beet crowns froze solid and no part of the tops were eaten except the green leaves. During this period the gain dropped below that of the grain-fed steers. When the weather warmed again, gain on the beet-top-fed steers returned, and closely paralleled that of the grain-fed steers.

The following table gives the total amount of feed consumed in pounds during the 60-day period, also total gain per pen.

	Grain	Tops	Total Gain
Pen No. 1	3840	13,280	782
Pen No. 2	5860	0	839

The grain used was composed of equal parts of oats and barley by weight with a value of \$59.00 per ton.

	Grain Cost Per 100 lbs. Gain
Pen No. 2	\$20.60
Pen No. 1	14.40

	Value of beet tops per 100 lbs. gain
	\$ 6.20

Deductions as follows:

782 lbs. gain requires	13280 lbs. tops.
100 lbs. gain requires	132800 or 1698 lbs.

782

Therefore one ton of tops would be valued at  $2000 \times 6.20$  or \$7.31

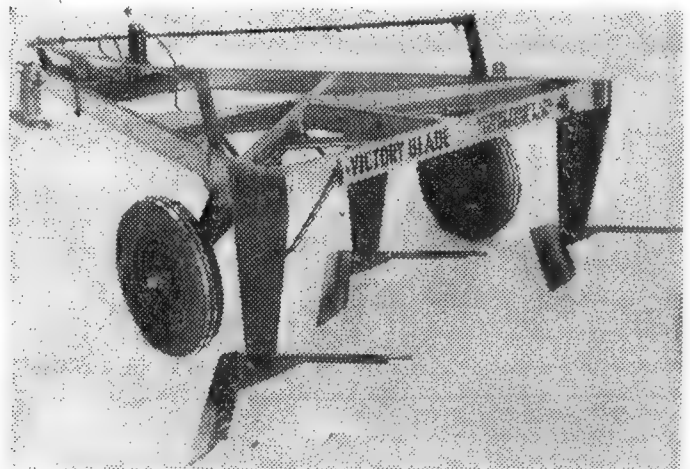
1698

or have a replacement value of 248 lbs. of corn or barley.

The top value of a 10-ton crop of beets producing 5 tons of green tops would have a value of \$36.55, or after allowing \$1.50 per ton for piling and hauling, a net value of \$29.05 per acre. Every prospective sugar beet grower should bear these values in mind — not only do sugar beets make exceptionally high returns per acre, but they are a feed bonus crop too. As by-product tops are worth \$36.55 per acre!

Safety Glass for Automobiles, Any Make of Car  
**THE BENNETT GLASS CO. LTD.**  
 M 1778 228 - 7th Avenue East, CALGARY

Prevent **SOIL DRIFTING**  
Conserve **MOISTURE**  
 with a  
**VICTORY Blade Cultivator**



A SIZE FOR EVERY TRACTOR

Write or Call

**MACHINERY SERVICE & SUPPLY CO.**

1006 - 9th Avenue East, Calgary, Alta.

Phone 55835



**UNIVERSAL'S  
NEW  
"300" MODEL  
PORTABLE  
WELDER**

For use without electricity the new "300" model welder provides farmers and others a powerful portable welding plant that can be quickly set up anywhere.

**\$169** Fully Complete  
f.o.b. Winnipeg

Price includes mask, ground clamp, holder, heavy rubber covered cable, 10 lbs., assorted welding rods and free welding guide.

A smooth operating, simple-to-operate welder in the 300 amp. range. Welds all metals. An excellent low-priced unit.

**CANADA'S  
FINEST  
AUGER  
LOADER!**



**The  
UNIVERSAL  
Auger Grain Loader**

A husky, dependable, fast moving grain loader. Many particular features for finest efficiency and lasting service. Canada's lowest-priced grain loader.

2 SIZES  
Includes wheels, carriage hoist, hitch and belt. Less engine, tires and tubes.

20 ft. size	\$195.00
24 ft. size	\$219.00

Although rising costs of materials have forced the prices up slightly on the above units—they are still Canada's lowest priced!

SEE YOUR DEALER OR WRITE FOR DETAILS TO—

**UNIVERSAL**

184 OSBORNE ST.



**DISTRIBUTORS**

WINNIPEG, MAN.

**NEW MIRRORS Made to Order, Any Size or Shape**  
**THE BENNETT GLASS CO. LTD.**  
 M 1778      228 - 7th Avenue East,      CALGARY

**A Quantity of The FAMOUS  
MILITARY FOG LAYERS**



**Have Been Released  
for PRIVATE USE.**

Brand new equipment at 1/2 cost (\$650.00) — working parts standard — best known manufacturer. Complete self-contained — trailer mounted one-man operation.

**This ULTRA-MODERN EQUIPMENT Provides the Answer to:**

<p>1. Circular Boom for mosquito, and tree pest control.</p> <p>2. Horizontal 24 foot to 50 foot boom for swathing acres of farm crop in minutes. Ideal for potatoes, sugar beet, grain, etc.</p> <p>3. An effective deadly weapon for insect, mosquito and weed control. VAPOR IS COLD 6 INCHES FROM NOZZLE.</p> <p>4. Being directional, provides positive GRASSHOPPER and LOCUST and other ground pest control.</p>	<p>5. Oil Base or Water Base fog may be used with modern insecticides.</p> <p>6. Used with modern weed killing chemicals, provides positive weed control.</p> <p>7. Provides quick live steam or boiling water for all manner of dairy, barn, equipment cleaning and hog skinning applications — THE FASTEST STEAM CLEANER ON THE MARKET!</p> <p>8. Thoroughly disinfects ranch buildings, barns and livestock with blanket of chemical fog.</p>
--	--

For Complete Information — Please fill out Coupon below and mail today to:

**PACIFIC MARINE SUPPLY CO. LTD.**  
 1400 West Pender Street, Vancouver, B.C.

Please mail information and details on VAPOR-MASTER to:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ PROV. \_\_\_\_\_

**PACIFIC MARINE SUPPLY COMPANY LTD.**  
 1400 West Pender St. — — — — — VANCOUVER, CANADA

## "I Saw . . ." What's new or different? Plenty, on Prairie farms

We had a bay gelding who used to open wire pasture gates. He'd take the top of the post in his teeth and pull up on it till it came out of the wire loop at the bottom, then he'd drop it and it would fall out of the top loop.

Miss 'Nita Pasetka,  
Box 76, R.R. 5,  
Winnipeg, Man.

I got some turkeys from the hatchery and was raising them in the bunk house where we washed clothes etc. One afternoon after being in town I came home and went to feed the turkeys and I noticed one was stuck near the washing machine with something stuck in his mouth. I tried to get him away and found that he had a cord in his mouth and it would not come out. I had an old plastic mattress cover over the washing machine and some how the turkey had got hold of one of the ties and started to swallow it. I had to bring mattress cover and turkey to the house and I pulled and pulled but could only get part of it to come out. The turkey looked like he was ready to die and would close his eyes and gasp. At last it wouldn't come out any more and I didn't dare let him swallow it as I thought he wouldn't be able to digest it if he had swallowed too much of it. Finally we thought of putting some olive oil down him to see if that would loosen it up. It sure did and it came out fairly quick then. We measured it afterwards and he had swallowed 20 inches and it was 3/4 of an inch wide. The turkey was only 1 month old but is doing well now.

Mrs. H. W. Berge.  
Box 1094,

When returning from Edmonton, we were driving along a road with bush on each side. A bunch of cattle came running along as tho' very badly frightened by something. We kept watch as more cattle came running along thinking we might see a wild animal. Finally a cow came puffing along the ditch with an old air-tight heater over her head. The bottom was out so she could see straight ahead but she banged it on the trees as she ran.

Then we knew what had frightened them and caused the wild running.

Mrs. D. Unruh.  
Fort St. John, B.C.

We had a little pig and a puppy who were such good pals that they were inseparable. It was really very funny to see them going about, all over the place, side by side.

Whenever I went berry picking, both the pup and the pig

went along, and they were never any bother to me. They would lie down somewhere near, and wait until I was ready to go home.

When my husband and I went visiting on foot, they went visiting too. That pig never rooted in yards or gardens. He'd lie down with the pup and wait for us to go home on a path or road which we would take on our way back.

We hated to see them grow up, when they would have to be separated, but of course they did grow up all too soon. When the sow had her little pigs she wouldn't let the dog come near her and that ended their friendship.

Mrs. Sylvia Current.  
Kevisville, Alberta.

While busy in the kitchen one morning recently I was surprised to behold a big bull moose drinking at the pond a short distance away. A few hurried calls brought "Brownie" on the scene and our big "Police" got the moose going, and going quickly, and he headed for the slough where he was lost to view in the meantime.

Next morning he returned bringing a pal along and when both moose had quenched their thirst, they got into a big fight, and somehow had their antlers entangled. During the scuffle which ensued they came into contact with an electric fence and both died.

Mrs. Margaret Macauley.  
Dimsdale, Alberta.

Last summer I raised quite a bunch of geese, and they always liked to get in the garden. One day I went out to chase them out, and they ran to some tall grass.

I stopped to count them to see if the young ones were all there, I thought I heard some of the young geese peeping so I went back to find them thinking they were lost in the grass, but to my surprise what did I see, the men had pulled out some fence posts and left the holes uncovered and here were two goslings fallen in one hole, sticking their heads out, and 3 more holes with one gosling in each hole. I pulled them out and they ran away none the worse for their experience as they were wedged quite tight in the holes.

Mrs. Harry J. Hoffarth.  
Gull Lake, Sask.

The old barn on the edge of the coulee has surprised us in many ways — antics of mice, rats, skunks and once a mink, but what I saw today was almost unbelievable. I saw our two-month old black and white calf calmly scrutinizing the world from the door of the hay-



## PROOF OF PRODUCTION

Holsteins on Record of Performance test in 1950 made the following fine average:

No. of Records ..... 14,764  
Average of Milk ..... 12,798 lbs.  
Average for Fat ..... 466 lbs.  
Average Test ..... 3.64 per cent.  
95 per cent of these records were made on twice-a-day milking and 41 per cent in the 305-day division.

### PRODUCTION MEANS PROFIT

For Information Write

**THE HOLSTEIN-FRIESIAN  
ASSOCIATION OF CANADA**  
BRANTFORD ONTARIO

The only horse that  
doesn't need



Absorbine now and then

• Absorbine is especially helpful in relieving windgall, curb, thoroughpin . . . puffs, strains and bruises. A stand-by for 50 years . . . Absorbine is used by many veterinarians. Does not blister or remove hair. At all druggists . . . only \$2.50 for a LONG-LASTING BOTTLE.

W. F. Young, Inc., Lyman House, Montreal.

**ABSORBINE**

## Final Winners in MIRACLE FEEDS 3 Car Contest

The Ogilvie Flour Mills Company Limited announces the winners in the third and last part of the "Miracle" Feeds 3 Car Contest. A new Chevrolet Sedan was won by D. A. Dykstra of Stettler, Alta.

Other prize winners are:—

**LEONARD REFRIGERATOR**  
S. E. McBride, St. Stephen, N.B.

**GAINADAY WASHING  
MACHINE**

Ernest Barbeau, St. Vianney, Que.  
Co. Matapedia

**GURNEY STOVE**

Sarto Rousseau, Princeville, Que.

**CONSOLE RADIO**

Harold Allen, Tusket, N.S.

**TOPPER RADIO**

Mrs. Gus Wolney, Lumby, B.C.; J. Greschner, Millardale, Sask.; Rene Marquis, Savverville, Que.; Albert Mathieu, St. Victor, Que.; Co. Beauce; Edward Farr, Odessa, Ont.; Norman Truax, Box 235, Matheson, Ont.

**BABY CHAMP**

Mrs. Levijay, Mt. Stewart, P.E.I.; Mrs. Robert Seward, Corner Brook, Nfld.; James Muckart, Langley Prairie, B.C.; Hubert Kopp, Humboldt, Sask.; Arthur Mattson, Devlin, Ont.; Germain Baril, St. Prosper, Que. Co. Champlain; Andre Nantel, St. Jerome, Que.; Maitland Scott, Maxville, Ont.; Alphonse Bety, Verner, Ont.

**THE OGILVIE FLOUR MILLS  
COMPANY LIMITED**

loft — a stairs climbing calf. It took two men to get her down. How she got up? We don't know.

Doreen Y. Nagel.  
Mossbank, Sask.

One day while we were eating dinner our dog was chewing on a rabbit. Suddenly we heard our dog barking and growling as if something was bothering him. We looked out the window and saw a magpie fighting with him. The dog would chase the magpie and the magpie would fly down at the dog, each trying to get the meat. This kept up for a few minutes then the magpie flew to a post to rest. Our dog then heard a shotgun blast and the magpies' troubles were over.

Frank Welter.

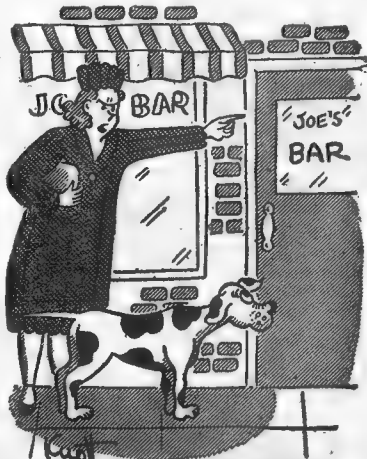
Box No. 8,  
Plunkett, Sask.

## Western turkey poults flown to England

HISTORY was made in April in Winnipeg when 200 turkey poults, born in this city, left aboard a T.C.A. plane for London, England. It was the first shipment of this kind in Western Canada, and might well prove the beginning of a completely new export industry. The turkeys were only hatched on Sunday, shipped early Monday morning, and on Tuesday were in England, enjoying their first meal on the farm of Mr. Jack Dunfee, Melplash Court, near Bridport, in Dorset.

The poults had to be shipped the day they were born because they can only go without feed for the first 48 hours of their lives. This meant they had to arrive in England on this schedule before feeding became necessary. The turkeys were hatched from eggs specially selected from a government-tested and approved flock, owned by William Ripat, of Lac du Bonnet, Manitoba. E. S. Miller Hatcheries were the shippers.

THE REASON the average girl would rather have beauty than brains is that the average man would rather look than think. — Mason City Globe-Gazette.



"Well, don't just stand there—re-trieve your master."



Vigorous, thrifty pigs are **MONEY-MAKERS!** **MONEY-MAKER Hog Feeds** have a reputation of promoting fast, economical gains and bringing hogs to peak market condition 6 to 8 weeks sooner. This worthwhile saving in feed and labor costs results in more profit. **MORE DOLLARS IN YOUR POCKET WITH THE USE OF MONEY-MAKER FEEDS.**

Give your young pigs real starting power with



**PIG STARTER  
PIG GROWER**  
or Growing Concentrate

See your U.G.G. agent or Money-Maker Dealer and give Money-Maker Feeds a test — You'll be glad you did!

Made in  
Edmonton  
by .....

**UNITED GRAIN GROWERS  
LTD.**

**WINDOW GLASS :: Any Size or Quantity**  
**THE BENNETT GLASS CO. LTD.**

M 1778

228 - 7th Avenue East,

CALGARY

When you buy **NO-WEED**

... YOU GET

**KNOW HOW**



NO-WEED products go into solution readily — mix easily — penetrate in seconds — give fast killing action. Scientifically formulated — carefully prepared — NO-WEED is dependable.



NO-WEED field representatives know where, why, and how to use 2,4-D. These men have been intensively trained in field work. They know the most effective, most economical ways of using 2,4-D. Benefit by their experience.

NO-WEED covers a complete line of farm weed control chemicals — prepared in Western Canada for Western Canadian farms. For any weed problem see your local NO-WEED dealer or write for the new pamphlet "Chemical Weed Control".

DEALER ENQUIRIES INVITED

MANUFACTURERS

**Chemi-serve**  
(ALBERTA) LIMITED

10TH AVENUE WEST, CALGARY, ALTA.

**WESTERN GRAIN CO. LTD.**

SASKATCHEWAN DISTRIBUTORS

## HUMEN SEWING MACHINE

Very latest 1951 models now available at lowest prices in Canada. Freight paid to your station anywhere. Dealers and agents write for free illustrated literature and profitable agency offer. Write to Humen Sewing Machine Co., 12405 - 87th St., Edmonton, Alberta, or to 308 Affleck Bldg., Winnipeg, Man., or Box 327A, Toronto, Ont.

## FREE—Amazing Book on RHEUMATISM, ARTHRITIS

If you suffer the aches, pains and discomforts of Rheumatism, as manifested in ARTHRITIS, NEURITIS, SCIATICA or LUMBAGO, send today for the FREE Book. It reveals important facts about why drugs and medicine give only temporary relief without removing causes of your trouble. Explains fully a proven, specialized system of treatment that may save you years of distress. No obligation. Write for this FREE Book today!

BALL CLINIC Dept. 506 Excelsior Springs, Mo.



# OUTCLEANS THEM ALL...

Only Old Dutch has  
**Activated Seismotite**  
to help  
**YOU CLEAN WITH  
TWICE the SPEED  
and EASE!**

Cuts grease faster—7 times faster

Floats away dirt and grime  
with REAL sudsing action—  
not wispy foam! Outcleans  
every other leading cleanser.



And New, Fresh  
Fragrance,  
too!

MADE IN CANADA

# Farm and Ranch Housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

## In the old days, invitations were delivered on foot!

By GILEAN DOUGLAS

THE bride of today has little to do about sending out the wedding invitations except to decide who is to be asked and then addressing the envelopes—or having them addressed for her. But in the Scottish Highlands of the early 18th century and before this was a considerably more muscular chore.

All the invitations had to be delivered personally, so several weeks before the wedding the bride and groom would start out to distribute them to their respective friends. This often meant going to houses that were many miles away, tramping or riding through glens and over mountains in all sorts of weather. But they figured it was worth it, because in a few days the matrons of the invited families—the woman always pays!—had to return the visits and this they did with interest.

They brought not only themselves, but also hams, beef, cheese, butter, malt, spirits and anything else they thought might help the young couple along. These presents and the wedding-gifts gave the bride and groom a fine start in their new life. A fine idea for today with food prices as they are! Who wouldn't rather have half a pig or a quarter of beef than that dreadful oil painting Aunt Jane sent or a bulb bowl that wouldn't hold a robust nut? There's one thing sure, such gifts wouldn't be used only

when their donors came to dinner.

Neither the bride nor groom of our Highland wedding would be very young—early marriages were frowned on in Caledonia—and both would be strong and healthy. It was next to impossible for a girl who was delicate to get a husband for in that rough land and life only the fittest could survive. Such selective mating insured hardy warriors who thought nothing of making their beds in the snow with only their plaid—soaked in water to make it more impervious to the cold air—to cover them. Younger sons were not allowed to marry until they were able to rent a small farm with a house on it or support a family in some other way.

### Up Early

Bright and early—and I mean early—on the wedding morning the bagpipes woke all and sundry for a hurried breakfast. Then a party of pipers, followed by the bridegroom and his friends made a round of calls to remind the guests that they had an engagement that day. At the same time the bride started out from her home on a similar round with her friends, but the young people were careful to avoid seeing each other—a custom which many of us still follow today.

At each house the guests dressed in their best in a hurry and went out to join the callers, so both bride and groom found

themselves with a retinue of hundreds of people by the time the circuit was completed. Then the groom gave a dinner for his friends and the bride for hers, after which the whole procession paraded to the minister's house for the ceremony. Sometimes he came to the bride's home to perform it, but this arrangement was thought to lack prestige.

As the procession moved along the young men fired off guns and pistols and the inhabitants of all the hamlets they passed through returned this salute with interest. "With streamers flying, pipers playing, the constant firing from all sides and the shouts of the young men, the whole," as Samuel Johnson, observes, "had the appearance of a military army passing, with all the noise of warfare, through a hostile country."

Although there was no society editor to report the event, yet the bride's costume was gaped at and commented upon with as much zest as at any modern marriage. It was something to look at too, for the happy girl wore sleeves of scarlet cloth, buttoned tightly at the wrist with plate buttons set with fine stones and with gold lace all around them. The plaid was white, except for a few stripes of red, black or blue and it reached from the neck almost to the feet. It was pleated around the waist under a leather belt studded with silver and tied over the breast with a buckle which was rich or plain according to the quality of the person. There was a lesser buckle which was worn in the middle of the larger and this in turn was centered with a big piece of crystal or a finer stone of lesser size.

Until a woman married or was considered to have arrived at the age of spinsterhood she went with her head bare or perhaps her hair was held back by a narrow strip of cloth or some small ornament. After marriage she wore a head-dress, called the church, made of linen and tied tightly under the chin. But when a young woman lost her virtue she was obliged to wear a cap and could never afterwards appear in public bareheaded.

### Lots of Loot

Of course, the higher the bride's rank and the richer her father then the more elaborate her costume, even as now. The union of a chief and a chief's daughter was the occasion of such colorful pageantry as we of this drab age have probably never seen. The clansmen gave their cattle—the riches of those days—so generously that even younger sons had a fine start in their new life.

To remove a cork from the inside of a bottle that you wish to use again, pour a little ammonia in the bottle and allow it to remain for several days. The ammonia will crumble the cork for easy removal.





## Make "practising" pleasant! It can be done

By LOUISE PRICE BELL

**M**OST children dislike practising their piano-lessons. They may tease and beg to take lessons, but almost as soon as they start, or at least just as soon as the novelty wears off, they begin to think up all sorts of ways to get out of practising that hour, or half-hour, that their teacher says they need to do each day. If parents realize this and do everything possible to make the task a pleasant one, it will help a great deal.

For instance, is the piano in your home placed in such a way that the light from outside makes music and keyboard plainly visible by day? And do you have a lamp beside the piano that casts a good light on dark days or when evening practise takes place? It is just as well if the piano doesn't set by a window where the small musician can see her playmates playing hop-scotch, of course, but there is usually more than one place in the room where a piano may be placed.

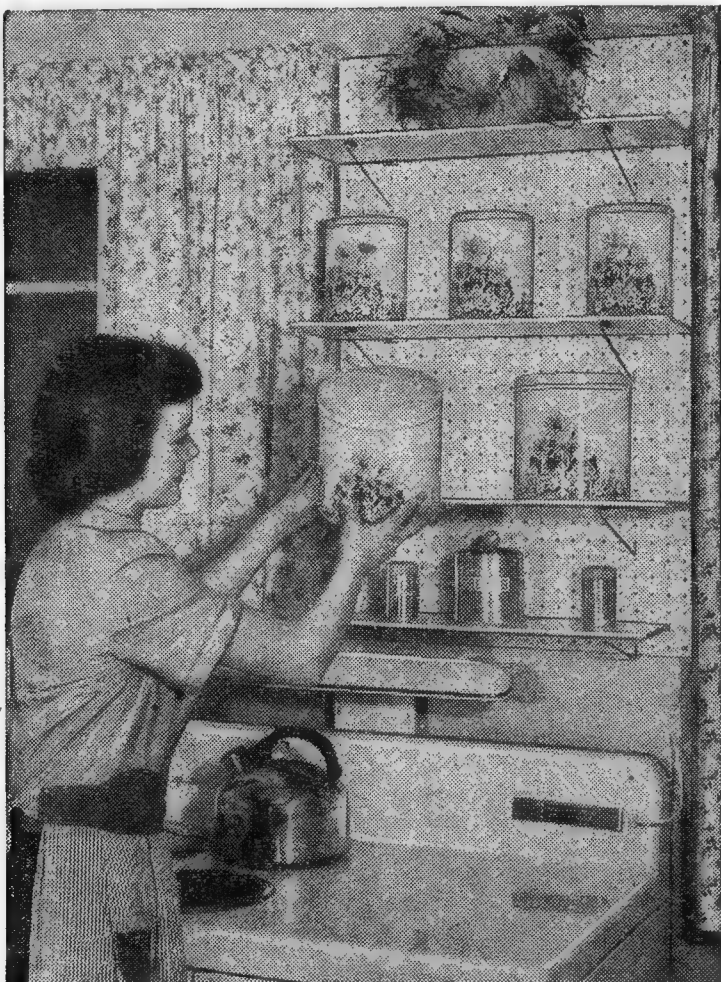
It is a good habit to suggest to small Betty that she practise in the morning either before or after breakfast. If she does, then the task is done for the

day and she has the after-school hours to use as she wishes. After a child has been inside all day, it is no wonder that she hates to come home and again sit down as she has done in school.

She really needs some physical exercise then and it is a poor time to be set aside for piano practise. If she doesn't do it in the morning, why not set an hour in the late afternoon which will give her time to play outside first. If it is near the supper hour it is better, because then the other children will be having to go inside and so Betty won't mind going in, either.

It is never a wise plan to make a child practise as punishment. The psychology is all wrong! We do well the tasks that are made pleasant and so if Mother can think up ways to make practising pleasant she will have her small musician well started. Such suggestions as that you and she will make a call, or see a movie, or make some ice cream after her practising is done isn't a bad idea. And on Saturday all sorts of surprise suggestions can be made.

## Neat Cupboard



Handy shelves suspended just where she wants them on a Peg Board make kitchen chores easier for the homemaker. If she prefers to use the area for hanging utensils within easy reach, the shelves are simply lifted off and pegs or small hooks inserted. More than 100 holes punched in each square foot give the board great versatility. Both the Peg Board and shelves are made of Masonite Tempered Presdwood, a material of great strength and durability.

## MUSTARD MAYONNAISE GIVES A "Tangy" flavour to SALADS

### MUSTARD MAYONNAISE

- 2 eggs
- 2 teaspoons Keen's mustard
- 1 teaspoon salt
- 1 teaspoon powdered sugar
- 2 tablespoons lemon juice
- 2 cups salad oil

Into well beaten yolks of 2 eggs, stir mustard, salt, sugar and lemon juice. Then add oil gradually while beating constantly. If too thick, to beat, add extra lemon juice, then balance of oil.

**Keen's**  
D.S.F.  
**MUSTARD**

K296

★ SONG POEMS WANTED to be set to Music. Submit one or more of your best poems for free examination. Any subject. Send poem. Phonograph Records Made. FIVE STAR MUSIC MASTERS, 545 Beacon Bldg., Boston 8, Mass.

## 20-minute auto wax —no rubbing!

S. C. Johnson & Son, Ltd., Brantford, Ontario.

## LOOK YOUNGER! LIVE LONGER! BE HAPPIER!

THIS IS A BIG STATEMENT — but we say you may — through the regular use of Natural Foods now proved so vital to vigorous health.

Leading nutritionists admit there are few people in this country who do not suffer from nutritional deficiencies to a greater or lesser degree. The trouble generally is not the AMOUNT of food eaten, but is the KIND of food eaten.

These people are robbing themselves of the health that should, and can, be theirs.

Realizing the great need for a place where people can obtain properly prepared health foods we have now opened a Centre under the direction of Dr. Skakun, B.A., N.D., D.C., specializing in the preparation and sale of these products.

Natural Health Foods can be obtained from us on a mail-order basis.

Why don't you start now on the road to the vigorous health and happiness which is your heritage.

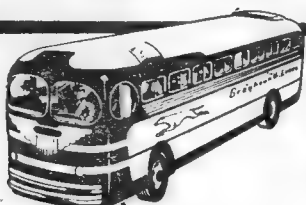
Write us today for free health literature and list of health products available by mail — or come in and see us.

## HEALTHFUL FOODS LIMITED

1406 - 4th Street West, Calgary, Alta.

Phone 64547

# GREYHOUND Vacation Planning Service



Sandy white beaches . . .  
the pounding surf . . .  
glittering night clubs . . .  
acres of beautiful homes  
call you to Los Angeles  
and Hollywood.



The towering Rockies lead  
you to Banff the beauti-  
ful . . . emerald-hued Lake  
Louise . . . then over the Big  
Bend Highway.



San Francisco beckons you to  
Golden Gate Bridge . . .  
Telegraph Hill . . . Fisher-  
man's Wharf . . . world-  
famous restaurants.

See your local agent or write Western  
Canadian Greyhound Lines, Greyhound  
Building, Calgary, Alberta.

We'll arrange thrilling  
Expense-Paid Tours, make  
your Reservations, plan  
Sightseeing, help you se-  
lect just the trip you want!

## Expense-Paid Tour to California

From

MOOSE JAW	—16-Day Tour	\$115.80
REGINA	—16-Day Tour	\$115.80
SASKATOON	—17-Day Tour	\$127.15
EDMONTON	—15-Day Tour	\$118.90
CALGARY	—14-Day Tour	\$108.95

Prices include transportation, hotel accommodation,  
sight-seeing tours.

G-151

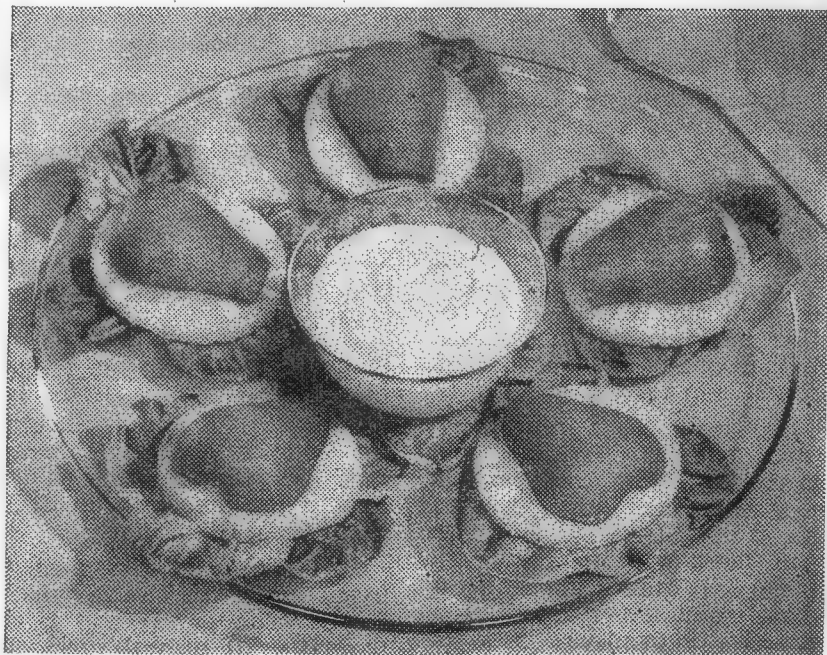
# GREYHOUND

This superb tea guarantees  
the flavour of every cup

# "SALADA"

## ORANGE PEKOE

## Simplicity is the key to successful salads



**S**ALADS are the songs of daily menus. They can be a medley of harmonizing flavors, refreshingly bright in color and taste, and toned with delicious dressing. They delight the eye, add a decorative touch to the table, and please the palate while they perk up the good flavors of other foods.

The secret of making salads that sing is simplicity — simple fruits and vegetables artfully arranged on attractive accessories. To make one with nature's own pet color scheme of red, yellow and green, use canned pineapple slices, canned pear halves, cinnamon candies to make the pears blush, and smooth textured mayonnaise\* to set the flavor tone.

### Blushing Pear and Pineapple Salad

- 5 pineapple slices, drained
- Lettuce
- 5 cinnamon pear halves, drained
- Mayonnaise

Place a slice of pineapple in each of five nests of lettuce arranged around the edge of a chop plate. Place a cinnamon pear half, flat side down, on each pineapple slice, radiating the pears from the center of the plate. Serve with mayonnaise in a small bowl placed in the center of the chop plate.

Cinnamon pear halves are made by letting them stand for an hour in a sirup made by heating the juice from a can of pears and dissolving one-fourth pound of cinnamon candies in it.

## Don't throw them away

By MRS. VIOLET M. SCHEMPP

**D**O you throw away the elasticized bands from the tops of discarded bobby socks? They can be used in a number of ways, for they are almost always in perfect condition when the socks are worn out. They make good substitutes for a worn sweater-cuff, and in cold weather they will keep children's pajama legs from creeping up, if sewed to the bottom of the leg. They are easily sewed on the sewing machine, as long as you are careful to stretch the elastic as you sew.

A few days ago I discovered a new use for them. It doesn't seem to make much difference how many pairs of stockings the children have, the heels and knees have all been worn out and patched by the time spring arrives, and there wasn't a decent pair left for school. I knew the mail-order couldn't possibly arrive for a few days, so it was up to me to think of something.

I went through the discarded stockings until I found an old pair of my own; knees and heels

mended and worn out again, but otherwise in perfect condition. I cut them off just below the knee, and just above the heel. Next I sewed a seam on the wrong side, following the original back seam, to make them fit her leg.

Next step was to shape the stocking toe, rounding the corners off carefully, and sew neatly flat. Then I looked up my stock of elasticized tops, selected a brown pair with gay yellow stripes, which looked very nice with the fawn colored wool hose, and machine-stitched them to the tops. They are a neat and pretty pair of knee-socks, and I've discovered another use for those gay little sock-tops which I hate to throw away.

□ □ □

A spring-type trouser hanger clamped to a paper bag forms a handy disposal container which can be hung conveniently from a doorknob. It's excellent for collecting cigarette butts, etc., after a party.



## Country Diary

ON an early June afternoon you on the farm can bring in rhubarb, deep red and icicle radishes, tender green lettuce, mild young onions, and have a feast for supper. You have a feeling of satisfaction and well-being. These first flavours of the garden are your's — there is nothing choicer or more appealing to jaded appetites, and besides, they mean economy. In these days of national stress and strain and domestic financial anxieties, it is easy to be sad and sorry, or at least cynical. But not in June, in the country, be the future what it may. So much is wrong, but not here among the fragrance of new grass and leaves, garden promise and bird-song.

It is as if Nature wished to atone for all her freaks and spite of winter, so she made the wild rose as her peace offering. Nor could there be a finer one—the sign of our province. Now in June you see roadsides and banks covered with white to deep pink, sweet-smelling rose-bushes. Driven from summer-fallow by plough and cultivator, *rosa canina* has taken over the

edges of the fields to mark them with natural beauty. You can adorn your house-yard with an exquisite hedge by transplanting the vagrant bushes for a boundary. They take kindly to cultivation, the flowers will increase in size and strength and the hedge will grow very quickly, will require little trimming and have an intrinsic value, being proof against the investigations of barn-yard intruders. Bird life will appreciate the winter food it provides, for it will be actually covered with myriads of deep red rose hips, a bright note in the colourless months.

White down drifts across the land before June has reached her prime. In early May every grassy plot in field or wayside is taken by the strong rosettes of the ever-blooming dandelion. They thrust back the grass and leaves so that the many hollow milky stalks may rise and bloom, profusely and unhindered. And rise they did. Even though cut off at the crown by road-grader and mower they were not deterred. Each beheaded root became a cluster of

new crowns and tight rosettes, but stronger. Even in the gravel thrifty plants came up in bushes. There are dandelion enthusiasts who find goodness in its leaves, medicine in its roots, and the fundamentals of rubber in its sticky, milky juice. But the tidy man whose pride is in his clean fields and neat lawn, doubts all these virtues.

The birds of the bush are always more or less worried by the food problem, but their housing question is simple. Each is born with the intelligence and knowledge to make its own home from materials that lie all about. Bird archi-

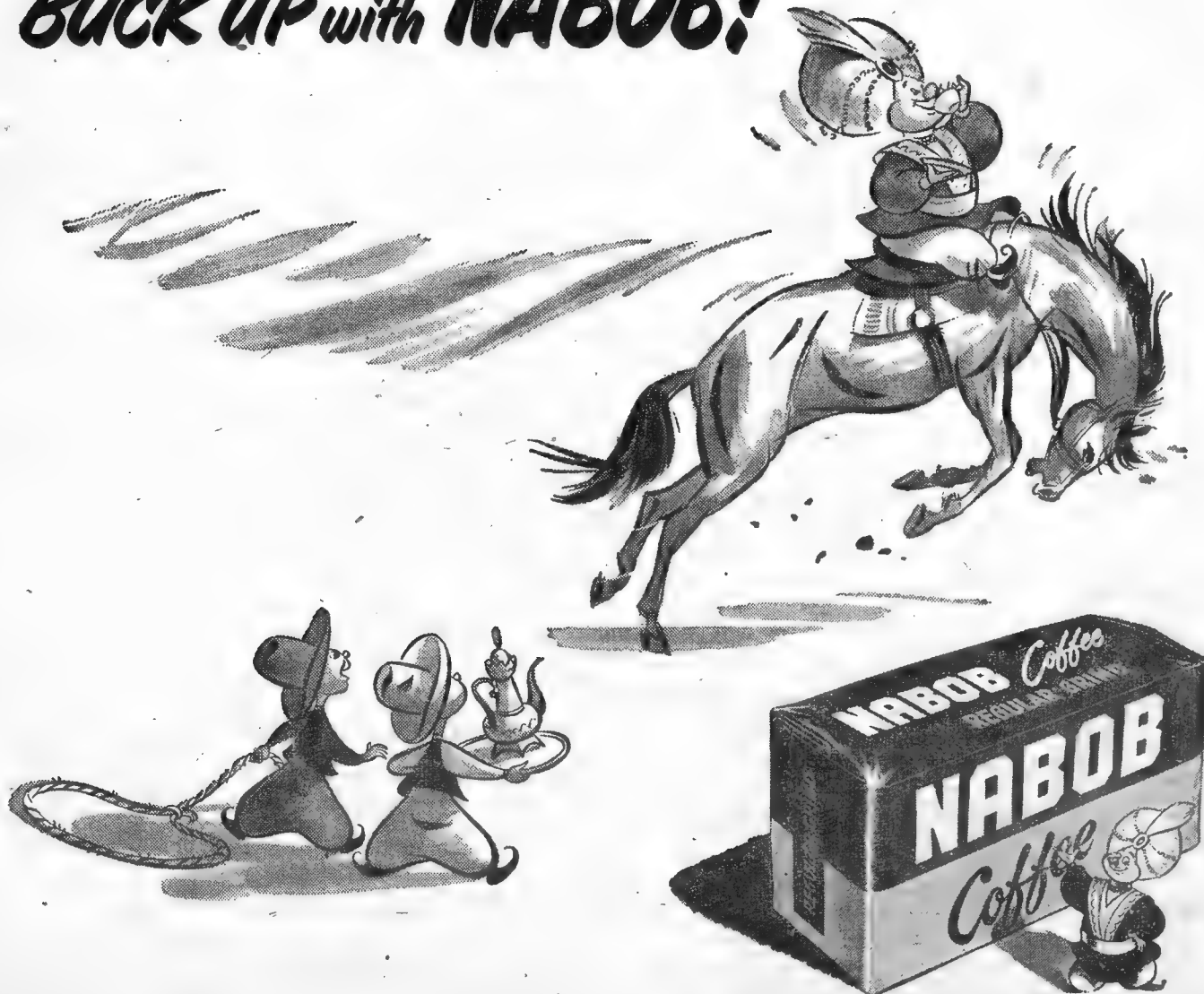
ture is marvellous; measurements are made to fit the bird, neither too long, nor too short, each according to species. There are linings to be considered — moss, grass, feathers, hair, down, just what instinct tells that particular bird. It is marvellous that each should know its own particular type of craftsmanship, plaiting, weaving, twisting, interlacing with such fidelity to pattern. Many of us could take lessons in neatness and precision from the artistry accomplished by the beaks and claws of our feathered pals.

### The Dishpan Philosopher

MANKIND, I'm sure, was never meant to be too easily content. For once our wants were satisfied no new things ever would be tried, and then the world, it seems to me, a poor dull sort of place would be. If people hadn't, down through time, kept finding higher peaks to climb we'd still be gnawing grisly bones of beasts we'd killed with sticks and stones. But this last fifty years or so we've lost the knack of going slow. Although tomorrow's on the way we grab at everything today, and might as well be in the cave as let this rush our lives enslave.

And progress measured by mere things but little satisfaction brings and no security at all. Right now we're riding for a fall unless there soon is something new in what we think and what we do.

## BUCK UP with NABOB!



## REAL HELP FOR INDIGESTION AND CONSTIPATION

Get relief from constipation—indigestion. Positive results from FRUIT-A-TIVES proven by tens of thousands. FRUIT A-TIVES contain extracts of fruits and herbs.



Time-tested. Applies special elastic rings; parts atrophy, fall off. Easy, clean, one-man operation—any weather. \$14.00. Rings Extra. 25 rings, 55c; 100 rings, \$2.00; 500 rings, \$7.70; 1000 rings, \$13.20.

SEE YOUR DEALER  
OR  
**FRANKLIN SERUM CO. OF  
CANADA LTD.**  
Calgary, Alberta  
Exclusive Distributor  
California Wool Growers' Association,  
San Francisco 5, Calif., U.S.A.

## SAVE

and still get  
the BEST!

Any 6 or 8 exposure roll developed and double size, full decked edge prints bound with plastic in colorful albums. Regular price 49c. Yours with this ad. for 34c. Only one to a customer. Send this ad. with roll to Super-Pak Photo Service, Dept. "A", Drawer 236, Regina, Sask.

Here's how you can

# SAVE \$10.00

on the purchase of a new

## Coleman

3-BURNER KITCHEN STOVE

Take this advertisement—or your old stove (any kind, make or condition)—to your nearest Coleman dealer and he will allow you \$10.00 on the purchase of a new Coleman "Cottage Cook"—the stove used and approved by hundreds of women—the instant-lighting gasoline stove that will mean less work... faster cooked meals... and a cooler kitchen for you this summer.

Hurry—offer for limited time only!

**Coleman Lamp & Stove Co. Ltd.**

9 Davies Ave., Toronto 8, Canada



## Let's Ask Aunt Sal...

I CAN truthfully say that the past month has brought in a record number of letters from you friendly readers. I have attended to as many as I possibly could privately... providing you enclosed your stamped, self-addressed envelope. And I've chosen as many representative letters to use as space allows.

Q.: Can you advise me about some liver sausage I made. They seem so tasteless, although I processed them 2½ hours and flavored them with salt, spices and sausage? — (Miss S., Red Cross, Sask.)

A.: The Kerr canning book tells you to allow 3½ hours cooking time or 75 min. at 10-lb. pressure. It also advises you to add a little pan gravy to each jar to make it more moist.

Q.: I wonder if any of your readers has the pattern for the "Sunbonnet patch-work quilt"? — (Mrs. C. U., Vancouver, B.C.)

A.: Don't send this to me, but write me first, and I shall give you this writer's address.

Q.: How can one remove the ink markings from flour sacks? I have tried strong bleach but no results. — (Mrs. H. R. T., Calgary.)

A.: I think the most effective way I know is to saturate the lettering in equal parts turpentine and ammonia. Rinse in warm water. This is good for removing all indelible ink stains.

Q.: What material do I buy to make Ukrainian cross stitch and where would I get this? — (Mrs. G. W., Sovereign, Sask.)

A.: How about writing to the very same firm that you told me about that stocks netting equipment... namely, Lewis Craft Supplies. I should think they could help you in this. If not, try this address: Canadian Handicrafts Guild, 1217 Bay Street, Toronto, Ont.

Q.: A friend of mine uses borax when canning her green beans and the result is that they are so fresh and green and taste just like those from the garden. What do you think about this and how would you use the borax? — (Mrs. M. E. C., Kelowna, B.C.)

A.: I didn't like the sound of this at all and contacted the nutrition specialist at Dept. of Agriculture, Edmonton, Alberta. I wish I had space to quote her answer in full, but she stated definitely that this practice of using chemical preservatives like borax and boracic acid is very harmful and has been forbidden by law for commercial canning. Note: Better stick to salt and be safe.

Q.: How do you can soup? Do you have to process it in jars after cooking in kettle? — Mrs. W. C. H., Ceylon, Sask.)

A.: Yes, all soups have to be

processed in jars. The time ranges from 15 minutes for soups like tomato to 3 hours for pea soup. I would again advise all of you who want help with canning to send for the canning guide put out by Kerr Glass Mfg. Corp., Sand Springs, Okla. It only costs 15 cents and is simply splendid.

Q.: I would like to know how to keep fresh pork during the summer without a refrigerator or home freeze locker. I have tried cooking the meat in jars, but my family does not like it. I would like other women's ideas about putting it down in brine. — (Mrs. L. B., Donatville, Alta.)

A.: I have had so little experience with this problem that I am going to call on you kind readers to help Mrs. B. with this problem. As a little consolation prize I'll send a snapshot of Aunt Sal to the first dozen women I hear from.)

Q.: Is there an icing to put between cookies that will stay soft and moist like the cookies you buy? — (Mrs. R. W., Colonsay, Sask.)

A.: Of course commercial firms are not going to give away their profession secrets, but I know that if you add a little glycerine to ordinary confectioners' icing it will stay moist a long time. 1 tsp. to 1 lb. of icing sugar is the right amount.

Q.: We have a women's agricultural club that is sort of dying out, and we wanted some ideas to arouse interest. — (Mrs. B. I., Kevisville, Alta.)

A.: I'm afraid that this club has passed away while waiting for help. My private opinion about all purely social clubs is that they all die off unless they are connected to some international organization such as women's Institute.

Q.: My kitchen is small and poorly ventilated and it accumulates unpleasant cooking odors. Is there any way to freshen the air? — (Mrs. D. D., Riney, Alta.)

A.: There are several good commercial aids for this problem, but in the line of home-made cures here are some that do help. Drop a pinch of baking soda or piece of dried orange rind on the hot range, or put a tblsp. cinnamon or few cloves on a saucer and burn on range.

Q.: What are the proportions for the ingredients in making coal flowers? — (Mrs. A. L., Hope, B.C.)

A.: Seeing three of you wrote in for this I'll give it a repeat. 6 tblsp. salt, 6 tblsp. liquid blueing, 1 tblsp. ammonia water, 6 tblsp. water, few drops of mercurchrome, etc. Pour these over coal or a brick in a dish. Rub vaseline over the top edge of dish to keep it from going over onto the table.

Several months ago the interest in netting needles was aroused by a letter written in to this column. Since then my mail has fairly bristled with

netting needles. Several of you staunch friends have taken pity on my plight and written in valuable information about them. I wish to send most sincere thanks to these ladies: Mrs. V. B., Steven, Sask.; Mrs. D. H. T., Lavoy, Alta.; Mrs. G. W., Sovereign, Sask.; Mrs. H. G. T., Royal Oak, V.I., B.C.; Mrs. I. R., Killarney, Man. Every one of these ladies tell us that we can get netting needles at this address... in Canada, too! Raoul Vennat Reg'd, 3770 - 3772 St. Denis St., Montreal, P.Q.

One can get their book of instructions (printed in French or English) and the needles, thread and all equipment necessary for this fancy work. (I do declare you'll have me taking up netting yet just in self defence... although when I'll do it I don't know, for I've been trying for a month to get my husband's sweater knitted).

## Your money's worth

THE Consumer Section of the Department of Agriculture has prepared a number of pamphlets to help consumers in the buying, storing and cooking of foods. Here is a list of these pamphlets. You may receive a copy of them free, if you write to the Department of Agriculture, Ottawa. Letters to the Department are post free.

Buy by Grade — Facts on the grading of food which will help you to buy better foods.

Foods for the Family — A guide for the planning of well-balanced meals.

Home Canning of Fruits and Vegetables — An excellent booklet for housewives; also contains directions and recipes for jams, preserves and pickles.

Freezing Fruits and Vegetables — A helpful guide for those housewives lucky enough to have storage lockers or deep freeze units.

Cheese Dishes — A handy booklet of recipes.

Cereals and Their Uses — This pamphlet gives the food value of cereals and recipes for their use.

Meat — A pamphlet prepared during the war to tell consumers how to make the most of their meat rations. The present high prices of meat make its advice on buying, storing, cooking and extending meat, particularly useful to consumers now.

White Navy Beans — Good plain truths about Beans — also recipes.

Recipe Book for Enjoying Canadian Apples — A most attractive booklet.

How to Can Meat, How to Can Chicken, Bread and Rolls — Mineographed sheets of instructions.

Also available are charts of Beef, Lamb and Pork — showing how the animals are cut for wholesale and retail sales.

### FREIGHT NOW PAID

To your station anywhere in Canada on HUMEN sewing machines. Crated and shipped to your station without any cost to you for transportation. New 1951 models now in. Write at once. Agents wanted everywhere. Humen Sewing Machine Co., Box 327A, Toronto, Ont., or Edmonton, Alberta.



**FILMS**  
DEVELOPED

6 to 8 Exposure Rolls  
**39¢ Per Roll**  
Reprints 4¢ Each

The WILLSON  
STATIONERY  
COMPANY LIMITED  
323 8th Ave. W., Calgary



**ELECTRIC-CRAFTS**  
LIMITED

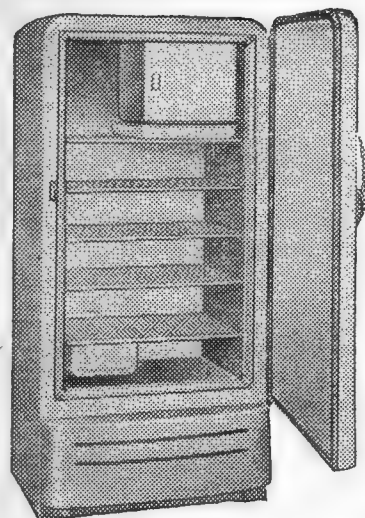
**LELAND ELECTRIC MOTORS**  
Repairs to All Makes of Motors.

**DOMESTIC WATER SYSTEMS**  
114 - 6th AVE. WEST,  
M 9494 CALGARY M 1898

**CREAM SEPARATOR PARTS**  
SPECIAL OFFER—One cream screw, one bowl wrench, two rubber rings and set of brushes for any make of cream separator, \$2.00 postpaid. Bowls re-balanced and new parts supplied; for reconditioning send us — Bowl complete, spindle, neck bearing and spring which are underneath bowl, we will put these parts in as good shape as new and **GUARANTEE WORK FOR TWENTY YEARS**; send to T. S. PETRIE, 373 Bowman Ave., Winnipeg.

**STOP the ITCH** of Insect Bites—Heat Rash

Quick! Stop itching of insect bites, heat rash, eczema, hives, pimples, scales, scabies, athlete's foot and other externally caused skin troubles. Use quick-acting, soothing, antiseptic **D. D. D. PRESCRIPTION**. Greaseless, stainless. Stops itch or money back. Don't suffer. Your druggist has **D. D. D. PRESCRIPTION**. 1-9



**UNIVERSAL COOLER  
FOODMASTER**

Designed for Farm Homes  
Has

**FROZEN FOOD STORAGE**

Provides ample capacity for  
other foods.

Powered by Dependable, Hermetic-  
Sealed Unit.

Engineered to Serve You for  
Many Years.

**ELECTRIC-CRAFTS Ltd.**

114-6th Ave. West, Calgary  
21898 Phones 29494

## The cow knows best

WHEN cows turn up their noses at clover pasture and choose to go eat in a weed patch, are they dumb, or are they playing it smart? This remarkable question is answered by W. A. Albrecht of the University of Missouri, writing in Capper's Weekly.

E. M. Poirot of Lawrence County, Missouri, had 100 head of cattle which had grazed all season on a stalkfield. Dr. Albrecht goes on to report. Every time they went to water they broke across a grass and clover pasture to get at those weeds. They even ignored a field of soybeans on the way.

Farmer Poirot refused to be bothered by his livestock's antic taste. Dr. Albrecht explains that "... He'd seen other strange things happen during his experiences in developing a big acreage of flat prairie ... But as he watched that pasture grow taller and taller, he began to wonder why somebody didn't write a new definition for weeds.

"The cornfield which was 'laying out' that season was overrun with what books and bulletins call weeds. The stand included cockleburrs, nettles, plantain, cheat, wild carrots, butter-print, wild lettuce, shepherd's purse, sheep sorrel, berry vines and a host of others. But the cattle preferred them to virgin pasture, kept the growth cropped close.

"Why? Poirot explains: That cornfield, abandoned for the summer, had previously been well fertilized. The pasture and the soybeans were growing on land that hadn't been manured.

"The cattle called those weeds good pasture. They called the grass and clover poor pasture. In their definition plants that grow on poor soil are weeds. They have made that very clear many times.

"Not so long ago, an able botanist listed the plants on a Western plain where a large herd of cattle was grazing. He reported 65 different kinds in the herbage and, strange as it may seem, not one of them was refused or left untouched by the cattle. On those more fertile, less leached soils under lower rainfall, the cows literally made a clean cut of the forage, irrespective of plant species. Differences in the so-called 'palatability' of the plants according to their names are seemingly unknown on those soils that are still rich in minerals.

"Cattle on Poirot Farms voted against grass agriculture because the bluegrass and white clover were on soils of low fertility. On the contrary, the preferred what we call weeds on fertilized land. Cows know their crops better than we do. They judge plants, not by pedigrees or names, nor even tonnage yields, but by the fertility of the soil under them."

## CASH for BONES

Clear up your acreage and turn the bones into cash. We have agents throughout Alberta and Saskatchewan who will take delivery. Remember, the more bones we get, the better the supplies and the lower the prices of such products as fertilizers, soap, sizing, glue, matches, abrasives, calcium, phosphorus, etc.

WRITE TODAY FOR NAME OF  
NEAREST AGENT AND CURRENT PRICES

**CANADIAN ORGANIC  
DEVELOPMENTS LTD.**

Successors to  
Western Bone Processors Ltd.  
307 BURNS BUILDING, CALGARY  
Alberta Phone 23033

## Skinny men, women gain 5, 10, 15 lbs.

Get New Pep, Vim, Vigor



What a thrill! Bony limbs fill out; ugly hollows fill up; neck no longer scrawny; body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic, Ostrex. Its tonics, stimulants, invigorators, iron, vitamins B<sub>1</sub>, calcium, enrich blood, improve appetite and digestion so food gives you more strength and nourishment; put flesh on bare bones.

**Get Lovely Curves**  
Don't fear getting TOO fat. Stop when you've gained the 5, 10, 15 or 20 lbs. you need for normal weight. Costs little. New "get acquainted" size only 60¢. Try famous Ostrex Tonic Tablets for new vigor and added pounds, this very day. At all druggists.

## DO MORE WORK Easier!



The Mighty Man as used with the Riding Sulky



## Mighty Man ALL PURPOSE TRACTORS

The Mighty Man meets the need for a dependable, rugged small tractor ... used successfully on farms and gardens in this and in 12 other countries. Over 30 years of engineering skill and experience are behind every Mighty Man tractor and implement.

### YOU NEED THESE FEATURES — All found in the MIGHTY MAN

- "Gear-train" transmission unit; helical cut gears sealed in oil; transmits 96% of the engine's power to wheels.
- New Departure and Timken bearings throughout.
- Power take-off.
- 14 factory-built attachments and implements.
- Precision-built, using only highest quality materials and workmanship.
- One year factory guarantee on all models and all implements.
- Available in 3 H.P. and 1½ H.P. models.

FULL INFORMATION  
ON REQUEST

### FACTORY-BUILT IMPLEMENTS

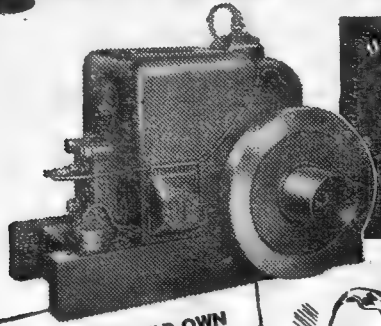
Make the Mighty Man  
a Year-round Tractor

8½ in. Plow  
Rear Cultivator  
Front Cultivator  
Spring Tooth Harrow  
Spike Tooth Harrow  
Disc Harrow  
Sickle Bar  
Rotary Snow Plow  
Trailer  
Riding Sulky  
Grader Blade  
Mower-type Wheels  
Cat Track Wheels  
Wheel Weights

**CALGARY FARM MACHINERY  
& SUPPLY CO.**

507 - 2nd St. E., Calgary, Alberta

# Fairbanks-Morse



**"Z" ENGINES**  
give dependable  
low cost POWER

WHY YOU SHOULD OWN  
AN F-M "Z" ENGINE

Self Oiling  
Fully Enclosed  
Water Cooled  
Throttling Governor  
High Tension Magneto  
Models from 2 to 28  
horsepower



These sturdy, powerful engines provide power for dozens of jobs about the farm . . . pumping, running machines, saws, hoists, etc. They require hardly any attention and operate economically on gasoline, tractor fuel, kerosene, or natural gas. Ask your local F-M Dealer, or write your nearest branch for full details.

THE CANADIAN FAIRBANKS-MORSE CO. LIMITED  
Saint John Montreal Toronto Winnipeg Edmonton Vancouver

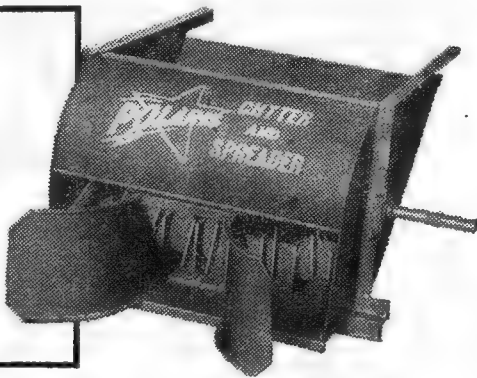


You'll be glad  
You bought a . . .

**POLARIS**

**CUTTER &  
SPREADER**

Built by men  
who know the  
Farmer's Needs!  
Designed for  
**LONGER WEAR—  
GREATER SERVICE**



**"Thar's Gold in That Thar Straw"**

The Polaris Cutter and Spreader thoroughly processes the straw as it leaves the combine, by breaking up the straw bunches and cutting the straw into shorter lengths, then uniformly distributes the result over the stubble area while combining.

Discing or plowing is then possible without the difficulties otherwise experienced, with the result that this residue, a natural organic fertilizer, is properly returned to the soil.

*Every progressive farmer knows the value of returning this valuable organic matter to the soil.*

SEE US FOR COMPLETE INFORMATION

**UNITED MACHINE DISTRIBUTORS**

1538 - 9th Avenue East, CALGARY, Alta.

Phone 54850

— OR —

**GENERAL FARM SUPPLIES LTD.**

LETHBRIDGE, ALTA.



**I SAW ON THE FARM**  
A SECTION FOR  
BOYS AND GIRLS

One day I saw a mother skunk and three baby skunks coming across the road and we just about ran over them. Before Dad ran over them he stopped. Just then a hawk came out of a tree and picked one of the skunks up in the air and dropped it about two or three times. The smell of the skunks just about killed us in the car, so I yelled at Daddy and told him to get going. Now every time I see a skunk, I tell him not to stop.

Shelby Taylor.

Glenside, Sask.

★ ★

The other day our goose eggs on which one of our geese sits started hatching. I went to see her about 10:00 in the morning and brought home two goslings. Our gander saw me carrying them home and chased me. The next morning he went to the goose pen and sat there from about 9:00 to 12:00 waiting for me to come and get more goslings. When I did come he put up a fight. I got a hold of him and shut him up. In an hour I let him out but he still sits at the goose pen only he doesn't fight any more, he just hisses.

Josephine Snopck.

Iron Springs, Alta.

★ ★

While weeding my garden one late afternoon, a strange sight met my eyes. About ten yards ahead of me I saw a bird pecking at a frog. First the bird would jump at the frog and peck it. Then the frog would jump up at the bird and scare it. This unusual game kept on for about an hour and then I had to scare the bird away because he nearly killed the frog.

Sophie-Petrovich.

Opal Alberta.

★ ★

One evening last fall I was riding a bicycle for cows, as a mother skunk and three little ones came out on the road. I was scared to pass them. The mother would go from side to side waving her tail as if to tell the small ones to go faster.

Lucy Oleniuk.

Seba Beach, Alta.

★ ★

As I was going down to close the chicken house a small badger rushed out. The next day he tried to come right into our house but couldn't make it up the steps. He later dug down under the chicken granary.

Nelson Bingeman.

Loverna, Sask.

★ ★

I saw my uncle shoot a wrong bird. It happened this way. An owl began to make raids on his poultry, and many a fowl fell victim to it. Uncle laid plans to destroy the marauder. One dark

evening he saw a big bird sitting on the barn. He seized his gun and stealthily approached it. He fired and was pleased to see the bird topple to the ground. He hurried towards it, and to his dismay saw that he shot his own turkey.

B. Grycuik.

Derwent, Alberta.

★ ★

On May 3rd I decided to go to visit my Uncle Mose.

He happened to look out of the window and see one of his horses with a lamb's hind leg in his mouth.

I heard an astonishing gasp, I looked up and went to the window and looked. Uncle Mose ran to and out the door, around the house, over the fence and into the pasture.

He kept yelling, "Jack, put it down, Jack, Jack."

The horse lifted his head higher and swung it sideways one way, then the other other. Uncle Mose ran toward him and he (Jack) started to run away, with the lamb's leg still in his mouth. As he ran, at a sort of a hopping gallop, he thrashed at the lamb with his fore feet.

When Uncle Mose got nearer, Jack let the lamb drop and walked off with an amused look on his face.

The lamb was so badly injured my uncle destroyed it.

Joyce Kash.

Mullingar, Sask.

★ ★

One day I was walking to get the cows with my dog by my side. When I heard a growling behind the trees. Much to my surprise there was a hawk eating a chicken and a wolf by its side. I told my dog to lay down and I crawled up a tree to watch. The wolf and hawk started fighting, the hawk saw he was getting the worst of it and flew away. My dog jumped at the wolf and they started fighting. By the time they finished the hawk had swooped down and got away with the chicken.

Stella Nowosad, (11).

Carrot River, Sask.

★ ★

On Saturday as I was looking out of the window I saw a mouse come crawling. It came from the house and crawled out in the yard. I decided I would go out into the yard and kill her. When I was nearly up to her, a pigeon flew down and took the mouse. The mouse squealed as the pigeon carried her up to the cupola on the barn.

Norma L. Sveum.

Dollard, Sask.



## BUY FROM RIBTOR

The Store  
of

**1,000  
BARGAINS**

Where quality and  
low prices go  
hand in hand!

# BEAT RISING PRICES!

Look at These MONEY-SAVING BUYS — Compare Prices!

**Special**

A ONE-MAN  
ONE-HAND  
HI-PRESSURE GREASE GUN

### GRE-ZER-ATOR

AT LAST! — You can do as good a job as any service station operator! No air or electric connections required... Hydraulic booster develops 5,000 lbs. pressure... Fits standard 25-lb. and 40-lb. pails... easily applied without tools... made of rust-proof steel and cast aluminum... equipped with 10 feet of high-grade hose.

**\$22.95**

Price Complete  
THE GRE-ZER-ATOR IS MORE  
THAN WANTED — IT'S NEEDED!

**WAR SURPLUS**

### Collapsible Rubber Boats

Surplus Army Air Force... tough, heavy-weight rubberized silk with single air chamber. 1 and 2 man... approx. 5'8" long, 3' wide. Inflates in a jiffy. Perfect for children, fishermen, campers, tourists, sportsmen, etc. Rolls up compactly. Complete with paddles, carrying case, etc.

**\$22.95**

Only

### BINOCULAR CASES

Sturdily built, covered with strong khaki-colored webbing. Ideal for carrying lunches, shells etc. ONLY

**59c**

### MESS TINS

2-piece, rust-proof, all metal. Ideal for campers, hunters, fishermen, tourists, etc.

**59c**

### WATER BOTTLES

A canteen that's indispensable for tourists, hunters, hikers and camping. Well built, with carrying strap.

**59c**

Ideal for camping and hiking

### AEROPLANE TIRES

New and used items. Good for trailers, seed drills, packers, etc.

6.50x10 - (New)—smooth

**\$14.50**

11.00x12 - (Used)—smooth

**\$18.50**

11.00x12 - Brand new

**\$5.95**

tubes. Each

### AGAIN AVAILABLE

In limited supply

### Field

### Telephone

### Systems

sets

of two

**\$35.00**

Gives clear transmission over 17 miles with two wires, 10 miles with single wire. Any connected wire, even barbed wire will serve. Useful for farm, ranch, factory, logging or construction work, resorts, etc. Strongly and expertly built. Send cash with order, or minimum of \$3.00 and we will ship C.O.D. for balance.

### UNIVERSAL'S NEW "300" MODEL Portable Welder

The finest low priced welder built! Smooth operation. Weighs approx. 100 lbs. Encased in nicely finished steel cabinet. Fully complete, ready for work with welding mask, ground clamp, holder, heavy weight rubber covered cable, 3-"V" type pulley, 10 lbs. assorted welding rods and instructions.

• Welds all metals. Cuts up to 2 inch. • 5,000 RPM rotation speed provides even arc at all welding stages, even at low amperage. • Rated 300 amps. with 400 amp. maximum. • Dial type amperage control. • Handles all 1/16 to 1/4 inch welding rods. • Powered by 12 H.P. or more engines, tractors, etc.

F.O.B. Calgary

**\$149.00**

## NEW TRACTOR TIRES AND TUBES

All new, and fully guaranteed! These are not seconds, nor are they synthetic... all are genuine rubber! Avoid disappointment. Order now!

Limited Stocks — Order Now!

### IMPLEMENT TIRES

60x16-4 ply Ground grip traction implement tires 27.45 21.30 4.85 3.75

### TRACTOR TIRES

		Tires: Reg. Price	Sale Price	Tubes: Reg. Price	Sale Price
550x16 - 4 ply Front tractor tire with ribbed tread		\$24.05	\$18.95	\$4.50	\$3.10
10x38 - 4 ply ground grip, rear		120.80	95.60	20.95	15.62
11x38 - 6 ply ground grip, rear		157.65	126.18	25.25	19.41
12x24 - 4 ply ground grip, rear		108.30	83.95	21.80	14.17
13x26 - 6 ply ground grip, rear		149.00	115.48	27.05	19.60
13x28 - 6 ply ground grip, rear		190.95	135.82	37.75	23.50
14x24 - 6 ply ground grip, rear		177.65	146.74	25.80	19.10
14x28 - 6 ply ground grip, rear		195.85	155.78	31.70	23.60
14x30 - 6 ply ground grip, rear		216.80	170.50	40.70	29.45
15x28 - 6 ply ground grip, rear		219.80	170.35	31.70	20.65

### PASSENGER CAR TIRES

450-500x20 - 4 ply	each	\$14.63	525-550x18 - 4 ply	each	19.20
450-500x20 - 6 ply	each	20.27	525-550x18 - 6 ply	each	23.37
525-550x20 - 4 ply	each	19.95	550x15 - 4 ply	each	21.20
475-600x19 - 4 ply	each	14.75			

ALL HARD-TO-GET SIZES! HURRY!

### Hunters & Campers Values TOURIST TENTS

Tan-colored waterproof duck... a sturdy, water resistant tent about 9'x9' with window at rear with storm flap. Easily and quickly erected by one person. Compact for easy transport. Complete with pegs & poles. Order now for camping and fishing trips ahead! Without floor.

**\$39.50**

ONLY  
Same Tent with waterproof floor \$49.95

### AIR MATTRESSES

Comfortable as a cloud. Inflates to 28 1/2"x69". Built-in attached pillow with separate air chamber. Built of tough, durable rubber... weight approx. 6 lbs. Perfect for camping trips and swimming raft, etc.

**\$11.95**

### MOSQUITO HEAD-NETS

Ideal for the fisherman... protection against insects, sun, windburn. Nylon top has drawstring. Strong net section. Worn with or without hat. Brand new!

**\$1.29** each

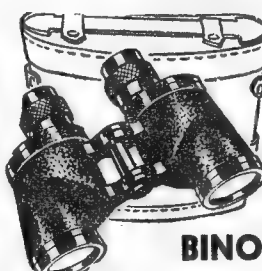
SPEC. 2 for \$2.50

### SLEEPING BAGS

Snug, wool insulated robes that are perfect for the summer camper. Sleep snugly, well protected from drafts... you can't kick off covers! Attached pillow. Zipper fastening... will stand plenty of hard use: Length 78" at this SPECIAL RIBTOR PRICE

**\$12.95**

(84" Longfellow only \$14.95)



Complete  
with  
Genuine  
Leather  
Case

### BINOCULARS

8x30 Dientglas. Special wide-angle construction. Fully coated optics afford crystal clear view. These binoculars come complete with a beautiful genuine leather carrying case, carrying strap and neck strap. This is a regular \$48.50 value going at OUR SPECIAL RIBTOR PRICE

**\$38.50**

ORDER NOW! When ordering please remit cash or \$3 deposit. Shipped collect money-back guarantee. Enquiries invited.

THOUSANDS OF OTHER BARGAINS FOR FARM, SHOP AND HOME

# RIBTOR

607 - 2nd STREET EAST - - - - - CALGARY, ALBERTA  
THE BEST ADDRESS IN THE WEST FOR VALUE!

### BUY THE BEST!

1c extra cost per chick is nothing if you get breeding that gives an extra three to five dozen eggs per pullet, and that is exactly what will happen when you purchase Tweedle R.O.P. Sired chicks. The first cost may be a cent more per chick, but the extra profits per pullet will amount to \$1.50 to \$2.50 per bird more over ordinary chicks. Don't be penny wise and pound foolish. Buy the best, buy TWEDDLE R.O.P. Sired chicks with genuine breeding back of them. Also turkey poults, Older Pullets, Free Catalogue.

Tweedle Chick Hatcheries Limited  
FERGUS, ONT.

LIVESTOCK MARKER, PAINT STICK, will not rub off wet or dry; red, white, black. Ideal for farmers, stockmen. 40c each postpaid. Your regional branch: HAMBLEY HATCHERIES, Winnipeg, Brandon, Regina, Saskatoon, Edmonton, Calgary, Abbotsford, Portage, Dauphin, Swan Lake, Boissevain.

### ALUMINUM BUILDING SHEETS

New Ribbed Aluminum for roofing, siding, rust-proof, bright no painting. Smartest looking farm buildings are aluminum. 267 Gauge. 26" wide. covers 24". 6' \$1.96; 7' \$2.27; 8' \$2.57; 9' \$2.91; 10' \$3.21; Ridge Cap. 45c Ft.; Drip Starter. 30c Ft. 1 1/2" aluminum roofing nails, 75c lb.; 1 1/4" aluminum screw-type lead washer nails at \$1.70 per lb. Flat aluminum, 26 gauge, 28 inches wide, in coils, cut to length at 33c per lineal foot, contains 200 lineal feet, approximately 460 square feet, at \$52.50. Orders over \$25 prepaid. J. J. Hambley Hatcheries, Winnipeg, Brandon, Regina, Saskatoon, Edmonton, Calgary, Abbotsford, Portage, Dauphin, Swan Lake, Boissevain.

### Hambley Electric Chicks

"From Canada's Largest Hatchery"

Now is the time to place your order for June and July. Send deposit, let us reserve your supply. All chicks from Govt. Approved, Pullorum tested flocks.



R.O.P. Sired	(Alberta)	R.O.P. Bred
100 50 25	100 50 25	
18.00 9.50 4.75	W. Leg	19.50 10.00 5.25
36.00 18.50 9.25	WL Pull	39.00 20.00 10.25
5.00 3.00 2.00	WL Chks	5.00 3.00 2.00
20.00 10.50 5.25	B Rocks	21.50 11.00 5.75
36.00 18.50 9.50	BR Pull	39.00 19.75 10.00
18.00 9.50 5.00	BR Chks	18.00 9.50 5.00
Approved (Alberta)	R.O.P. Sired	
20.00 10.50 5.25	Sussex	22.00 11.50 5.75
36.00 18.50 9.75	LS Pull	39.00 20.00 10.25
18.00 9.50 5.00	LS Chks	18.00 9.50 5.00
18.00 9.50 4.75	N Hamps	19.00 10.00 5.00
33.00 17.00 9.00	NH Pull	35.00 18.00 9.00
18.00 9.50 5.00	NH Chks	18.00 9.50 5.00
WL x NH Cross		19.00 10.00 5.00
WL x NH Cross Pullets		36.00 18.50 9.50
WL x NH Crossbred Chks		8.00 5.00 2.75
18.75 9.85 5.20	Black Minorcas	
36.00 18.50 9.50	Black Minorca Pullets	
Canadian Approved Turkey Poults		
100 50 25		10
Broad B. Bronze	90.00 48.00 23.50	9.50
Beltville White	80.00 41.00 21.00	9.00

100% Live Arr Gtd. Pullets 96% Acc.

### J. J. Hambley Hatcheries Ltd.

10730 - 101 St., Edmonton, Alta.  
8th Ave. - 4th St. E. Calgary, Alta.

### ALBERTA'S LARGEST HATCHERY

**STEWART'S**  
R. O. P. Sired CHICKS  
AN INVESTMENT  
FOR MORE PROFITS

CANADIAN APPROVED BROAD  
BREASTED BRONZE TURKEY  
POULTS

Specializing in White Leghorns, Banded Rocks, New Hampshires, Rhode Island Reds, White Rocks, Light Sussex, Hampshire-Sussex Crossbred and Leghorn-Hampshire Crossbred chicks.

A 36-page book on the "Care and Rearing of Baby Chicks" and a set of plans for a modern brooder house will be given with each chick order.

Started Pullets — R.O.P. Sired White Leghorns and Leghorn-Hampshire Crossbred Pullets, Farm Reared. For Immediate or Future Delivery 2-4-6 weeks old. Write for prices.

Place your order NOW for day old and started chicks for June or July delivery.

Place your order now. This will give you a preferred delivery date. Write today for large illustrated 1951 catalogue and prices.

### COMPETITIVE ALBERTA PRICES

**STEWART ELECTRIC HATCHERIES**  
602B - 12th Ave. West, Calgary, Alta.



# FUNLAND

THE FAMILY ENTERTAINER

BY  
A.W. NUGENT  
THE WORLD'S  
LEADING  
PUZZLEMAKER



**A REBUS**  
What one word  
is suggested by  
these two  
letters?

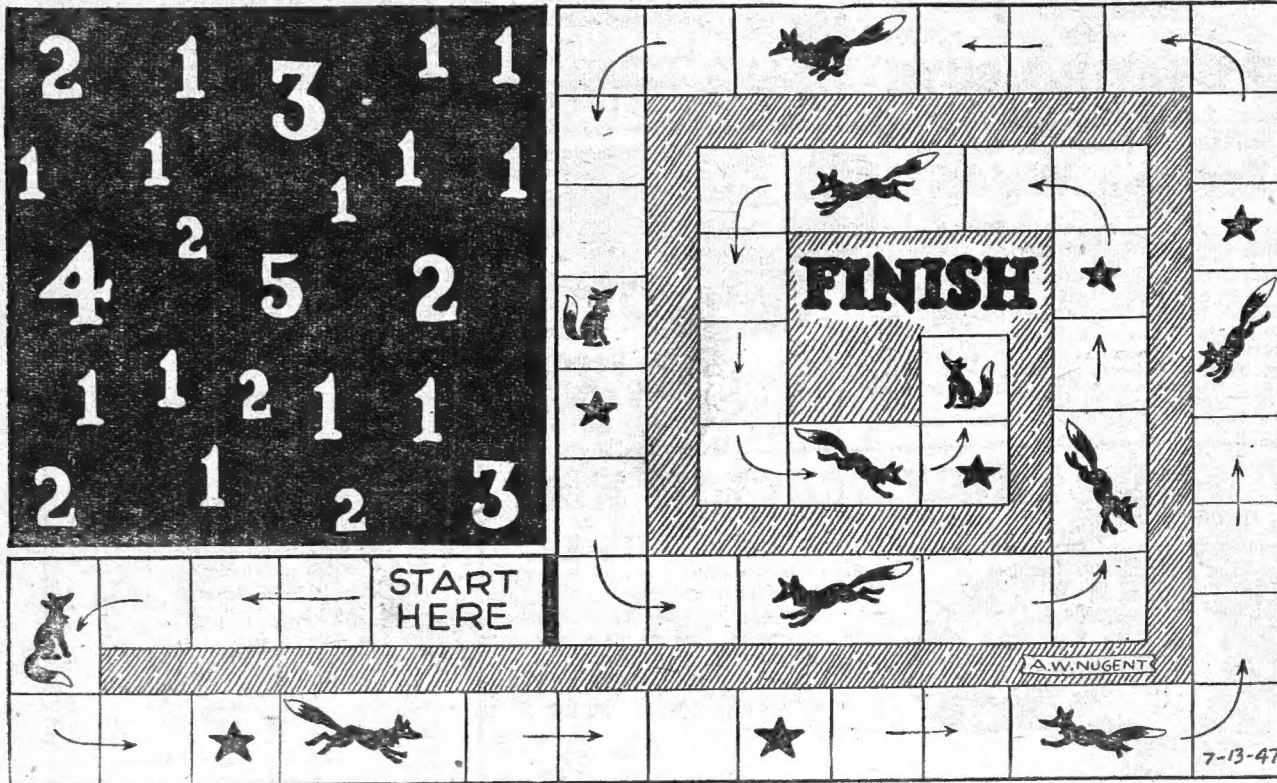
0 1 2 3 4 5 6 7 8 9

TRY TO MAKE  
AN ADDITION  
PROBLEM THAT  
WILL CONTAIN  
THE ABOVE TEN  
NUMBERS. WRITE  
A NUMBER  
OVER EACH  
DASH.



A.W. NUGENT

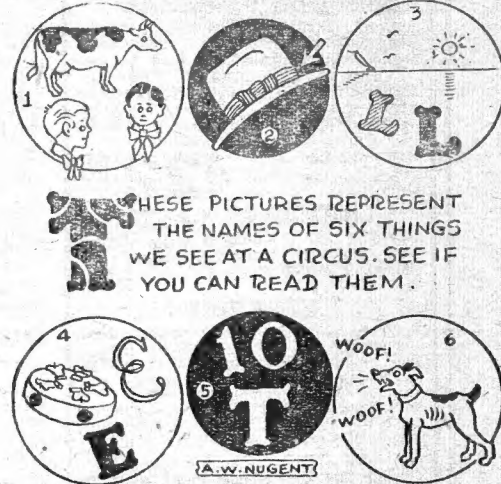
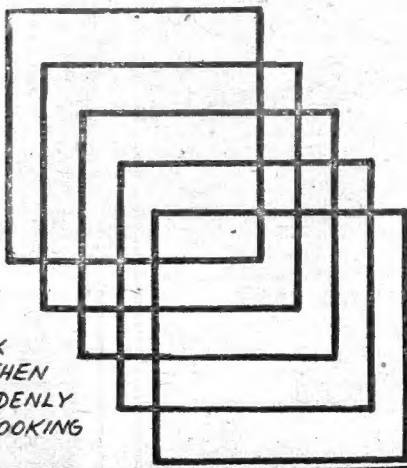
**C**ATCH THE FOXES GAME . . . TWO OR MORE PERSONS CAN PLAY. EACH PLAYER IS REQUIRED TO HAVE A COUNTER TO MOVE FROM SQUARE TO SQUARE. DIFFERENT COLORED BUTTONS WILL DO. THEN TAKE TURNS DROPPING A COIN ON THE NUMBERS FROM ABOUT A FOOT ABOVE THE PAPER. THE NUMBER OR NUMBERS THE COIN RESTS ON AFTER EACH TRIAL INDICATES THE AMOUNT OF SQUARES TO ADVANCE YOUR COUNTER. IF YOUR COUNTER STOPS ON A SQUARE OCCUPIED BY A FOX, ADD IT TO YOUR CREDIT. IF YOU ARE FORCED TO STOP ON A STAR YOU MUST LOSE ONE TURN. THE PLAYER WHO CATCHES THE GREATEST AMOUNT OF FOXES IS THE WINNER. FOR FINISHING FIRST YOU MAY ADD TWO FOXES TO YOUR CREDIT.



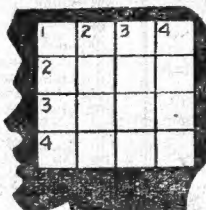
Revised by The Associated Newspapers



LOOK AT THIS 4-WAY TUNNEL OF 5 MAGIC SQUARES . . . YOU WILL FIND THAT YOU CAN LOOK UP THROUGH THEM AND THEN THE DIZZY THING WILL SUDDENLY CHANGE AND YOU WILL BE LOOKING DOWN THROUGH THEM.



IF YOU PRINT THE CORRECT WORDS IN THE SQUARES READING ACROSS, THE SAME WORDS WILL ALSO READ DOWNWARD.



THE DEFINITIONS ARE:  
1, TO RIP;  
2, COMFORT;  
3, INQUIRES;  
4, PAUSE.

PUZZLE SOLUTIONS

SIX THINGS WE SEE AT A CIRCUS:  
1, COWBOYS; 2, BAND;  
3, SEALS; 4, TRAPEZE;  
5, TENT; 6, BARKER.

REST
ASKS
EASE
TEAR

WORD-SQUARE:

THE ALASKAN  
WORD PROBLEM:  
THE, HE, HEAL, AL,  
ALA, LA, ALAS, AS, ASK, AN,  
ALASKA, ALASKAN AND ANT.

1 6 0 2  
7 4 3  
8 5 9

ADDITION PROBLEM USING ALL THE NUMBERS FROM 0 TO 9 INCLUSIVE  
(W IN G)  
REBUS PUZZLE:  
THE WORD SUGGESTED IS WING

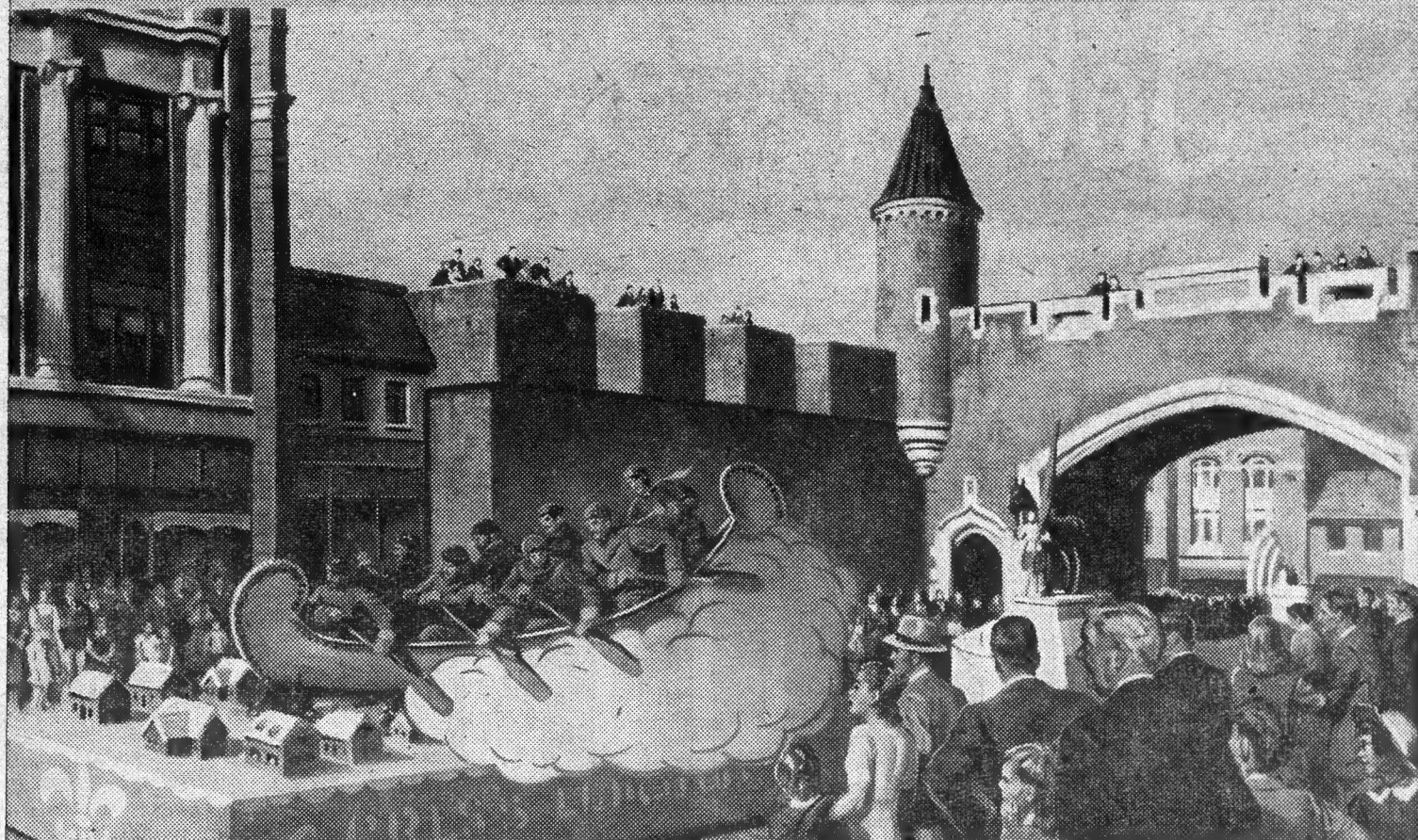
Revised by The Associated Newspapers

7-13-47



# EXCLUSIVELY CANADIAN...

The colourful pageantry of the annual St. Jean Baptiste Festival is French Canada's tribute to its patron saint. Parades and floats in cities, towns and villages recreate the legends and history of the old Province of Quebec.



Created and signed by The House of Seagram, this advertisement, with appropriate copy for foreign lands, is appearing in magazines and newspapers printed in various languages and circulated throughout the world.

## Seagram TELLS THE WORLD ABOUT Canada

THIS advertisement was designed by The House of Seagram to tell the people of other lands about Canada and things exclusively Canadian.

Many people in Latin America, Asia, Europe and other parts of the world are not fully aware of the richness of Canada's natural resources, wild life, scenic beauty and cultural traditions. The more the



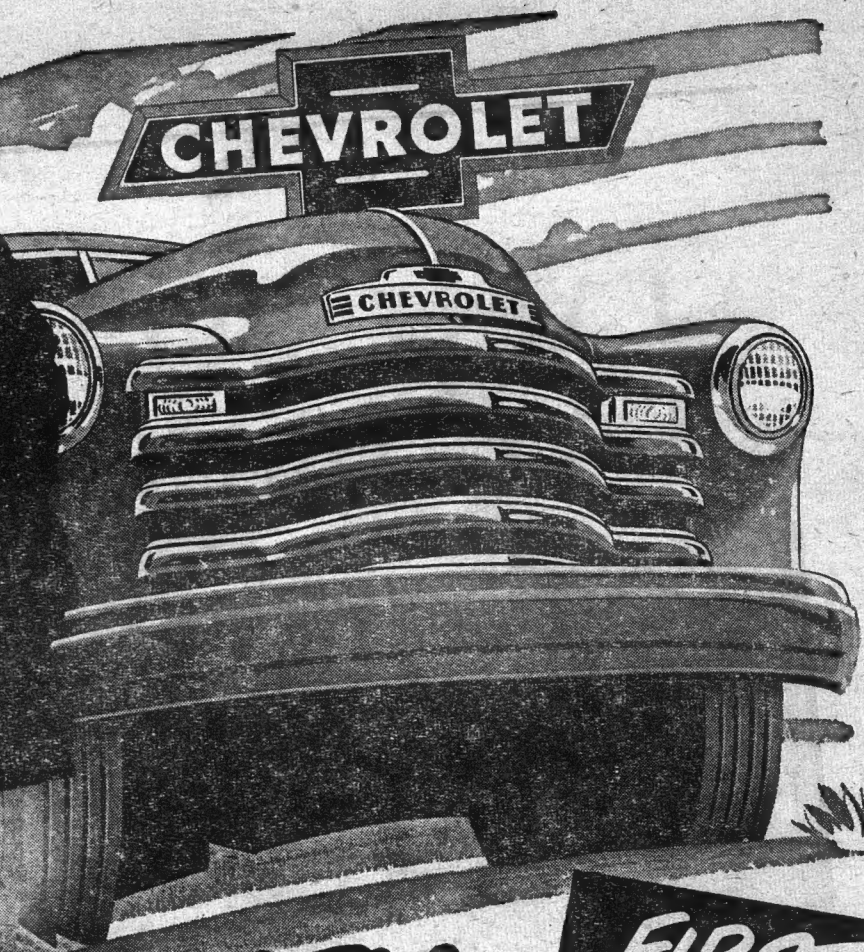
peoples of other lands know about our country, the greater will be their interest in Canada and Canadian products.

*The House of Seagram feels that the horizon of industry does not terminate at the boundary of its plants; it has a broader horizon, a farther view—a view dedicated to the development of Canada's stature in every land of the globe.*

## The House of Seagram



For *Your*  
Trucking  
Job...



THERE'S A  
**NEW and MIGHTY  
CHEVROLET**

**FIRST  
IN SALES**



Yes, Chevrolet continues to be the undisputed choice of those who own and drive trucks regardless of the conditions under which they operate or the purpose for which they are used.

**FIRST  
IN COMFORT**



New No-Draft Ventipanes further improve Chevrolet's "Driver-Conditioned" Cabs... cool in summer, warm in winter! New improved seat construction features automatic back-angle adjustment!

**FIRST  
IN ECONOMY**



Chevrolet's famous-for-thrift engines are long on mileage, short on upkeep... and easy to service. Thorough Chevrolet engineering results in reliability that pays off!

**FIRST  
IN SAFETY**



Extra Sturdy, right from the chassis up... and now featuring new, further improved twin action brakes! Broad visibility and renowned steering ease give drivers complete control!

**FIRST  
IN PERFORMANCE**



Three great Chevrolet Engines — massive new 114 h.p. Torquemaster, 105 h.p. Loadmaster, 92 h.p. Thriftmaster each perfectly matched to give its g.v.w. range for highest performance with economy!

**FIRST  
IN VALUE**



Outstanding features combined with long life, utmost dependability and rock-bottom prices... that's the value story that has made Chevrolet Canada's favourite truck!

A GENERAL MOTORS VALUE

**BEST FOR ANY RUN IN '51**





EX LIBRIS  
UNIVERSITATIS  
ALBERTENSIS

*Spirits Up.*

# REXOLEUM RUGS

DE LUXE QUALITY

Up go your spirits when you cover any floor...  
every floor... with Rexoleum!



Rexoleum colours are so gay, so sparkling. They give you a lift just to look at them... They make you the envy of your neighbours who say, "Your house is so bright!"

And you find life more zestful, for the high enamel surface of Rexoleum is so easy to keep sparkling.

It's easy on the pocketbook, too—moderately priced—and it wears like iron... Make a date with yourself to drop in at your dealer's and look over the wonderful new patterns and colour combinations next time you're in town.

In Latin, **REX** means **KING**...

In any language, **REXOLEUM** means **KING QUALITY**.



Look for the Rexoleum de luxe seal on the face of the goods.

A product of  
**DOMINION OILCLOTH & LINOLEUM CO. LIMITED • MONTREAL**

UNIVERSITY LIBRARY  
UNIVERSITY OF ALBERTA